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	1	50
Protease 10	ADIIGGLAYTMGGRC SVGFAATNAAGQPGFVTAGHCGRVGTQVTIGNGRG	
Protease 18	ADIIGGLAYYMGGRC SVGFAATNSAGQPGFVTAGHCGTVGTGVTIGNGTG	
Protease 11	ADIIGGLAYTMGGRC SVGFAATNAAGQPGFVTAGHCGRVGTQVSI GNGQG	
Protease 35	ADIIGGLAYTMGGRC SVGFAATNAAGQPGFVTAGHCGRVGTQVTIGNGRG	
Protease 08	ADIIGGLAYTMGGRC SVGFAATNASGQPGFVTAGHCGTVGTPVSI GNGQG	
Protease 22	ADIIGGLAYYMGGRC SVGFAATNASGQPGFVTAGHCGTVGTPVSI GNGKG	
	51	100
Protease 10	VFEQSVFPGNDAAFVRGTSNFTLTNLVSRyntGGYATVAGHNQAPIGSSV	
Protease 18	TFQNSVFPGNDAAFVRGTSNFTLTNLVSRYN SGGYQSVTGTSQAPAGSAV	
Protease 11	VFEQSI FPGNDAAFVRGTSNFTLTNLVSRyntGGYATVAGHNQAPIGSSV	
Protease 35	VFEQSI FPGNDAAFVRGTSNFTLTNLVSRyntGGYATVAGHNQAPIGSSV	
Protease 08	VFERSVFPGNDSAFVRGTSNFTLTNLVSRyntGGYATVSGSSQAAIGSQI	
Protease 22	VFERSIFPGNDSAFVRGTSNFTLTNLVSRYN SGGYATVAGHNQAPIGSAV	
	101	150
Protease 10	CRSGSTTGWHCGTIQARGQSVSYPEGTVTNMTRTTVCAEPGDSGGSYISG	
Protease 18	CRSGSTTGWHCGTIQARNQTVRYPQGTVYSLTRTNVCAEPGDSGGSFISG	
Protease 11	CRSGSTTGWHCGTIQARGQSVSYPEGTVTNMTRTTVCAEPGDSGGSYISG	
Protease 35	CRSGSTTGWHCGTIQARGQSVSYPEGTVTNMTRTTVCAEPGDSGGSYISG	
Protease 08	CRSGSTTGWHCGTVQARGQTVSYPQGTVQNLTRTNVCAEPGDSGGSFISG	
Protease 22	CRSGSTTGWHCGTIQARNQTVRYPQGTVYSLTRTTVCAEPGDSGGSYISG	
	151	188
Protease 10	TQAQGVTSGGSGNCRTGGTTFYQEVTPMVNSWGVRLRT	
Protease 18	SQAQGVTSGGSGNCSVGTTYYQEVTPMINSWGVRI RT	
Protease 11	NQAQGVTSGGSGNCRTGGTTFYQEVTPMVNSWGVRLRT	
Protease 35	NQAQGVTSGGSGNCRTGGTTFYQEVTPMVNSWGVRLRT	
Protease 08	SQAQGVTSGGSGNCSFGTTYYQEVNPMLSSWGLTLRT	
Protease 22	TQAQGVTSGGSGNCSAGTTYYQEVNPMLSSWGLTLRT	

Fig. 1

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ATOM	1	N	ALA	1	-18.517	32.531	28.661	1.00	8.90
ATOM	2	CB	ALA	1	-18.802	30.741	30.290	1.00	12.24
ATOM	3	CA	ALA	1	-19.308	31.313	28.965	1.00	10.86
ATOM	4	C	ALA	1	-20.783	31.666	29.080	1.00	12.18
ATOM	5	O	ALA	1	-21.113	32.695	29.712	1.00	12.73
ATOM	6	N	ASP	2	-21.722	30.930	28.510	1.00	12.01
ATOM	7	CA	ASP	2	-23.176	31.225	28.612	1.00	12.07
ATOM	8	C	ASP	2	-23.667	30.604	29.929	1.00	10.24
ATOM	9	O	ASP	2	-23.359	29.410	30.109	1.00	11.30
ATOM	10	CB	ASP	2	-23.995	30.629	27.422	1.00	12.43
ATOM	11	CG	ASP	2	-23.545	31.314	26.129	1.00	16.23
ATOM	12	OD1	ASP	2	-23.300	30.668	25.134	1.00	21.68
ATOM	13	OD2	ASP	2	-23.346	32.527	26.168	1.00	17.64
ATOM	14	N	ILE	3	-24.387	31.321	30.757	1.00	9.80
ATOM	15	CA	ILE	3	-24.850	30.687	32.027	1.00	8.80
ATOM	16	C	ILE	3	-26.252	30.135	31.768	1.00	7.97
ATOM	17	O	ILE	3	-27.160	30.953	31.648	1.00	8.91
ATOM	18	CB	ILE	3	-24.789	31.723	33.207	1.00	7.85
ATOM	19	CG1	ILE	3	-23.378	32.342	33.312	1.00	5.63
ATOM	20	CG2	ILE	3	-25.284	31.096	34.549	1.00	4.75
ATOM	21	CD1	ILE	3	-22.221	31.320	33.579	1.00	5.82
ATOM	22	N	ILE	4	-26.319	28.814	31.563	1.00	7.21
ATOM	23	CD1	ILE	4	-26.578	27.854	27.424	1.00	8.61
ATOM	24	CG1	ILE	4	-27.102	28.463	28.794	1.00	8.70
ATOM	25	CB	ILE	4	-27.272	27.363	29.888	1.00	7.20
ATOM	26	CG2	ILE	4	-28.446	26.419	29.544	1.00	6.35
ATOM	27	CA	ILE	4	-27.569	28.083	31.259	1.00	7.04
ATOM	28	C	ILE	4	-27.799	27.046	32.350	1.00	7.12
ATOM	29	O	ILE	4	-26.841	26.414	32.764	1.00	5.80
ATOM	30	N	GLY	5	-29.017	26.894	32.834	1.00	8.40
ATOM	31	CA	GLY	5	-29.415	25.958	33.863	1.00	5.51
ATOM	32	C	GLY	5	-29.031	24.550	33.483	1.00	6.74
ATOM	33	O	GLY	5	-29.222	24.181	32.306	1.00	8.02
ATOM	34	N	GLY	6	-28.492	23.787	34.436	1.00	5.32
ATOM	35	CA	GLY	6	-28.113	22.385	34.125	1.00	6.51
ATOM	36	C	GLY	6	-26.697	22.143	33.678	1.00	7.67
ATOM	37	O	GLY	6	-26.264	20.957	33.687	1.00	8.08
ATOM	38	N	LEU	7	-25.941	23.127	33.235	1.00	7.02
ATOM	39	CD2	LEU	7	-25.075	23.250	29.859	1.00	15.01
ATOM	40	CD1	LEU	7	-24.009	25.544	29.892	1.00	12.10
ATOM	41	CG	LEU	7	-24.823	24.494	30.662	1.00	11.57
ATOM	42	CB	LEU	7	-24.100	24.149	31.987	1.00	7.81
ATOM	43	CA	LEU	7	-24.543	22.889	32.774	1.00	7.23
ATOM	44	C	LEU	7	-23.543	22.624	33.891	1.00	8.17
ATOM	45	O	LEU	7	-23.779	23.055	35.054	1.00	8.83
ATOM	46	N	ALA	8	-22.450	21.931	33.560	1.00	7.85
ATOM	47	CB	ALA	8	-20.568	20.517	33.998	1.00	7.20
ATOM	48	CA	ALA	8	-21.436	21.658	34.583	1.00	6.67
ATOM	49	C	ALA	8	-20.554	22.867	34.856	1.00	8.14
ATOM	50	O	ALA	8	-20.241	23.793	34.058	1.00	7.62
ATOM	51	N	TYR	9	-20.078	22.906	36.110	1.00	6.90
ATOM	52	CA	TYR	9	-19.074	23.854	36.602	1.00	7.03
ATOM	53	C	TYR	9	-18.138	22.960	37.480	1.00	8.21
ATOM	54	O	TYR	9	-18.560	21.945	38.048	1.00	7.61

Fig. 2

SUBSTITUTE SHEET (RULE 26)

Cont. Fig 2

ATOM	55	CB	TYR	9	-19.474	25.108	37.320	1.00	7.45
ATOM	56	CG	TYR	9	-20.138	24.925	38.664	1.00	9.14
ATOM	57	CD1	TYR	9	-19.401	24.898	39.853	1.00	8.86
ATOM	58	CD2	TYR	9	-21.559	24.818	38.673	1.00	8.66
ATOM	59	CE1	TYR	9	-20.044	24.756	41.062	1.00	7.11
ATOM	60	CE2	TYR	9	-22.214	24.696	39.930	1.00	8.78
ATOM	61	CZ	TYR	9	-21.438	24.673	41.072	1.00	7.41
ATOM	62	OH	TYR	9	-22.115	24.537	42.248	1.00	8.28
ATOM	63	N	THR	10	-16.867	23.367	37.552	1.00	8.23
ATOM	64	CG2	THR	10	-15.380	21.144	36.171	1.00	21.51
ATOM	65	OG1	THR	10	-14.022	22.954	36.816	1.00	17.27
ATOM	66	CB	THR	10	-14.816	21.869	37.398	1.00	15.54
ATOM	67	CA	THR	10	-15.881	22.592	38.334	1.00	12.22
ATOM	68	C	THR	10	-15.190	23.495	39.381	1.00	12.59
ATOM	69	O	THR	10	-15.040	24.724	39.295	1.00	11.83
ATOM	70	N	MET	11	-14.719	22.854	40.422	1.00	13.86
ATOM	71	CE	MET	11	-18.117	21.521	42.992	0.70	10.20
ATOM	72	SD	MET	11	-16.364	21.817	43.260	0.70	13.92
ATOM	73	CG	MET	11	-16.351	23.607	42.742	0.70	8.87
ATOM	74	CB	MET	11	-14.945	24.074	42.557	0.70	13.60
ATOM	79	CA	MET	11	-14.003	23.423	41.576	1.00	14.74
ATOM	80	C	MET	11	-13.204	22.219	42.141	1.00	16.84
ATOM	81	O	MET	11	-13.132	22.126	43.360	1.00	18.29
ATOM	82	N	GLY	12	-12.650	21.380	41.252	1.00	17.41
ATOM	83	CA	GLY	12	-11.931	20.160	41.721	1.00	20.30
ATOM	84	C	GLY	12	-12.961	19.034	41.377	1.00	22.00
ATOM	85	O	GLY	12	-12.730	18.252	40.444	1.00	25.04
ATOM	86	N	GLY	13	-14.079	19.064	42.126	1.00	17.68
ATOM	87	CA	GLY	13	-15.219	18.171	41.900	1.00	15.21
ATOM	88	C	GLY	13	-16.127	18.873	40.846	1.00	15.26
ATOM	89	O	GLY	13	-15.681	19.862	40.228	1.00	14.61
ATOM	90	N	ARG	14	-17.370	18.410	40.657	1.00	12.77
ATOM	91	NH2	ARG	14	-20.479	14.276	37.036	1.00	17.15
ATOM	92	NH1	ARG	14	-21.587	16.075	36.340	1.00	13.21
ATOM	93	CZ	ARG	14	-20.415	15.529	36.584	1.00	16.51
ATOM	94	NE	ARG	14	-19.265	16.236	36.423	1.00	15.10
ATOM	95	CD	ARG	14	-19.240	17.643	36.031	1.00	15.25
ATOM	96	CG	ARG	14	-19.255	18.517	37.291	1.00	14.76
ATOM	97	CB	ARG	14	-18.333	18.056	38.435	1.00	11.53
ATOM	98	CA	ARG	14	-18.269	19.018	39.659	1.00	11.00
ATOM	99	C	ARG	14	-19.665	19.162	40.278	1.00	9.52
ATOM	100	O	ARG	14	-20.027	18.274	41.091	1.00	8.13
ATOM	101	N	CYS	15	-20.368	20.221	39.853	1.00	8.85
ATOM	102	CA	CYS	15	-21.782	20.417	40.285	1.00	6.14
ATOM	103	C	CYS	15	-22.455	21.027	39.084	1.00	6.53
ATOM	104	O	CYS	15	-21.754	21.176	38.036	1.00	8.10
ATOM	105	CB	CYS	15	-21.897	21.271	41.568	1.00	7.27
ATOM	106	SG	CYS	15	-21.795	20.241	43.088	1.00	8.70
ATOM	107	N	SER	16	-23.746	21.368	39.154	1.00	5.13
ATOM	108	CA	SER	16	-24.402	21.936	37.975	1.00	4.73
ATOM	109	C	SER	16	-24.969	23.294	38.269	1.00	6.73
ATOM	110	O	SER	16	-25.331	23.536	39.470	1.00	7.15
ATOM	111	CB	SER	16	-25.540	20.930	37.602	1.00	5.02
ATOM	112	OG	SER	16	-25.031	19.670	37.228	1.00	7.01

Fig. 2

SUBSTITUTE SHEET (RULE 26)

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Cont. Fig 2

ATOM	113	N	VAL	17	-25.177	24.129	37.276	1.00	5.71
ATOM	114	CA	VAL	17	-25.780	25.469	37.450	1.00	6.30
ATOM	115	C	VAL	17	-27.274	25.365	37.742	1.00	6.27
ATOM	116	O	VAL	17	-27.904	24.514	37.084	1.00	6.87
ATOM	117	CB	VAL	17	-25.589	26.211	36.113	1.00	4.80
ATOM	118	CG1	VAL	17	-26.252	27.572	36.079	1.00	2.00
ATOM	119	CG2	VAL	17	-24.108	26.435	35.892	1.00	5.56
ATOM	120	N	GLY	18	-27.836	26.136	38.622	1.00	5.84
ATOM	121	CA	GLY	18	-29.277	26.067	38.899	1.00	4.89
ATOM	122	C	GLY	18	-29.898	27.072	37.958	1.00	7.79
ATOM	123	O	GLY	18	-30.578	26.683	36.960	1.00	8.56
ATOM	124	N	PHE	19	-29.783	28.366	38.175	1.00	6.84
ATOM	125	CA	PHE	19	-30.368	29.391	37.291	1.00	8.35
ATOM	126	C	PHE	19	-29.457	30.625	37.254	1.00	8.67
ATOM	127	O	PHE	19	-28.889	30.984	38.285	1.00	7.20
ATOM	128	CB	PHE	19	-31.761	29.873	37.827	1.00	6.74
ATOM	129	CG	PHE	19	-32.786	28.779	38.033	1.00	8.40
ATOM	130	CD1	PHE	19	-33.490	28.300	36.918	1.00	9.81
ATOM	131	CD2	PHE	19	-32.921	28.194	39.301	1.00	8.27
ATOM	132	CE1	PHE	19	-34.414	27.241	37.060	1.00	7.45
ATOM	133	CE2	PHE	19	-33.804	27.129	39.460	1.00	7.36
ATOM	134	CZ	PHE	19	-34.541	26.662	38.347	1.00	8.66
ATOM	135	N	ALA	20	-29.375	31.284	36.114	1.00	8.32
ATOM	136	CB	ALA	20	-28.552	32.954	34.501	1.00	7.08
ATOM	137	CA	ALA	20	-28.577	32.514	35.976	1.00	6.99
ATOM	138	C	ALA	20	-29.347	33.558	36.793	1.00	8.39
ATOM	139	O	ALA	20	-30.614	33.548	36.744	1.00	6.62
ATOM	140	N	ALA	21	-28.653	34.461	37.453	1.00	6.45
ATOM	141	CB	ALA	21	-29.774	34.943	39.600	1.00	6.04
ATOM	142	CA	ALA	21	-29.305	35.514	38.244	1.00	9.09
ATOM	143	C	ALA	21	-28.267	36.598	38.599	1.00	10.25
ATOM	144	O	ALA	21	-27.048	36.412	38.434	1.00	10.39
ATOM	145	N	THR	22	-28.734	37.704	39.154	1.00	10.87
ATOM	146	CA	THR	22	-27.795	38.747	39.633	1.00	9.81
ATOM	147	C	THR	22	-28.044	38.773	41.139	1.00	12.70
ATOM	148	O	THR	22	-29.153	38.378	41.607	1.00	13.28
ATOM	149	CB	THR	22	-28.009	40.191	39.000	1.00	12.32
ATOM	150	OG1	THR	22	-29.443	40.520	39.201	1.00	17.96
ATOM	151	CG2	THR	22	-27.730	40.314	37.512	1.00	10.22
ATOM	152	N	ASN	23	-27.067	39.261	41.919	1.00	12.56
ATOM	153	ND2	ASN	23	-23.651	39.789	44.187	1.00	14.15
ATOM	154	OD1	ASN	23	-25.034	41.090	43.182	1.00	11.99
ATOM	155	CG	ASN	23	-24.917	40.044	43.825	1.00	13.60
ATOM	156	CB	ASN	23	-26.025	39.065	44.153	1.00	12.41
ATOM	157	CA	ASN	23	-27.308	39.367	43.381	1.00	14.31
ATOM	158	C	ASN	23	-27.947	40.754	43.600	1.00	15.71
ATOM	159	O	ASN	23	-28.252	41.558	42.664	1.00	13.68
ATOM	160	N	ALA	24	-28.043	41.088	44.883	1.00	16.68
ATOM	161	CB	ALA	24	-28.899	42.370	46.862	1.00	19.20
ATOM	162	CA	ALA	24	-28.626	42.344	45.371	1.00	20.06
ATOM	163	C	ALA	24	-27.831	43.543	44.936	1.00	22.43
ATOM	164	O	ALA	24	-28.408	44.658	44.795	1.00	24.93
ATOM	165	N	ALA	25	-26.556	43.412	44.648	1.00	23.59
ATOM	166	CA	ALA	25	-25.727	44.513	44.128	1.00	20.79

Fig. 2

SUBSTITUTE SHEET (RULE 26)

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Cont. Fig 2

ATOM	167	C	ALA	25	-25.765	44.542	42.613	1.00	21.34
ATOM	168	O	ALA	25	-25.018	45.388	42.040	1.00	24.26
ATOM	169	CB	ALA	25	-24.278	44.379	44.584	1.00	24.28'
ATOM	170	N	GLY	26	-26.508	43.687	41.910	1.00	16.97
ATOM	171	CA	GLY	26	-26.453	43.763	40.456	1.00	15.31
ATOM	172	C	GLY	26	-25.320	43.024	39.803	1.00	13.98
ATOM	173	O	GLY	26	-25.158	43.168	38.560	1.00	15.90
ATOM	174	N	GLN	27	-24.594	42.196	40.523	1.00	13.26
ATOM	175	NE2	GLN	27	-19.688	42.607	42.319	1.00	23.84
ATOM	176	OE1	GLN	27	-21.306	41.674	43.669	1.00	19.08
ATOM	177	CD	GLN	27	-20.952	42.234	42.626	1.00	20.42
ATOM	178	CG	GLN	27	-21.934	42.487	41.519	1.00	16.87
ATOM	179	CB	GLN	27	-22.364	41.130	40.909	1.00	13.66
ATOM	180	CA	GLN	27	-23.488	41.430	39.904	1.00	11.98
ATOM	181	C	GLN	27	-24.023	40.113	39.345	1.00	11.67
ATOM	182	O	GLN	27	-24.829	39.428	39.949	1.00	11.63
ATOM	183	N	PRO	28	-23.539	39.714	38.197	1.00	10.36
ATOM	184	CG	PRO	28	-22.111	39.444	36.367	1.00	11.95
ATOM	185	CD	PRO	28	-22.544	40.519	37.403	1.00	10.61
ATOM	186	CB	PRO	28	-23.429	38.692	36.116	1.00	11.06
ATOM	187	CA	PRO	28	-23.977	38.497	37.537	1.00	9.08
ATOM	188	C	PRO	28	-23.418	37.248	38.194	1.00	9.80
ATOM	189	O	PRO	28	-22.278	37.282	38.749	1.00	9.50
ATOM	190	N	GLY	29	-24.245	36.179	38.101	1.00	6.29
ATOM	191	CA	GLY	29	-23.721	34.885	38.671	1.00	4.48
ATOM	192	C	GLY	29	-24.827	33.875	38.440	1.00	6.36
ATOM	193	O	GLY	29	-25.604	34.036	37.454	1.00	7.58
ATOM	194	N	PHE	30	-24.889	32.917	39.339	1.00	7.28
ATOM	195	CA	PHE	30	-25.971	31.891	39.292	1.00	7.77
ATOM	196	C	PHE	30	-26.232	31.306	40.703	1.00	6.83
ATOM	197	O	PHE	30	-25.281	31.334	41.532	1.00	8.49
ATOM	198	CB	PHE	30	-25.653	30.741	38.312	1.00	3.78
ATOM	199	CG	PHE	30	-24.384	29.955	38.483	1.00	5.51
ATOM	200	CD1	PHE	30	-24.299	28.836	39.311	1.00	5.54
ATOM	201	CD2	PHE	30	-23.251	30.336	37.752	1.00	8.26
ATOM	202	CE1	PHE	30	-23.126	28.108	39.451	1.00	8.21
ATOM	203	CE2	PHE	30	-21.996	29.661	37.898	1.00	6.20
ATOM	204	CZ	PHE	30	-21.971	28.509	38.739	1.00	7.61
ATOM	205	N	VAL	31	-27.413	30.739	40.862	1.00	4.85
ATOM	206	CA	VAL	31	-27.751	30.017	42.118	1.00	6.26
ATOM	207	C	VAL	31	-27.445	28.530	41.828	1.00	6.68
ATOM	208	O	VAL	31	-27.515	28.036	40.680	1.00	4.79
ATOM	209	CB	VAL	31	-29.141	30.296	42.666	1.00	7.03
ATOM	210	CG1	VAL	31	-29.230	31.765	43.136	1.00	11.46
ATOM	211	CG2	VAL	31	-30.190	29.902	41.646	1.00	8.54
ATOM	212	N	THR	32	-27.150	27.786	42.910	1.00	5.51
ATOM	213	CA	THR	32	-26.762	26.373	42.892	1.00	7.30
ATOM	214	C	THR	32	-26.833	25.866	44.356	1.00	8.85
ATOM	215	O	THR	32	-27.382	26.568	45.240	1.00	6.58
ATOM	216	CB	THR	32	-25.318	26.271	42.249	1.00	6.85
ATOM	217	OG1	THR	32	-24.927	24.904	42.030	1.00	6.22
ATOM	218	CG2	THR	32	-24.141	26.895	43.109	1.00	4.90
ATOM	219	N	ALA	33	-26.318	24.676	44.619	1.00	8.92
ATOM	220	CA	ALA	33	-26.313	24.007	45.928	1.00	9.53

Fig. 2

SUBSTITUTE SHEET (RULE 26)



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Cont. Fig 2

ATOM	221	C	ALA	33	-25.158	24.465	46.827	1.00	9.16
ATOM	222	O	ALA	33	-24.007	24.503	46.369	1.00	8.53
ATOM	223	CB	ALA	33	-26.294	22.473	45.773	1.00	7.77
ATOM	224	N	GLY	34	-25.408	24.724	48.076	1.00	7.16
ATOM	225	CA	GLY	34	-24.348	25.143	49.024	1.00	8.05
ATOM	226	C	GLY	34	-23.390	24.043	49.347	1.00	7.39
ATOM	227	O	GLY	34	-22.194	24.315	49.698	1.00	8.30
ATOM	228	N	HIS	35	-23.788	22.780	49.271	1.00	7.52
ATOM	229	CA	HIS	35	-22.821	21.714	49.636	1.00	6.58
ATOM	230	C	HIS	35	-21.744	21.601	48.560	1.00	8.95
ATOM	231	O	HIS	35	-20.702	20.945	48.747	1.00	8.96
ATOM	232	CB	HIS	35	-23.497	20.364	49.883	1.00	8.85
ATOM	233	CG	HIS	35	-23.991	19.599	48.686	1.00	6.87
ATOM	234	ND1	HIS	35	-25.305	19.481	48.321	1.00	8.56
ATOM	235	CD2	HIS	35	-23.326	18.872	47.769	1.00	5.55
ATOM	236	CE1	HIS	35	-25.414	18.744	47.228	1.00	7.54
ATOM	237	NE2	HIS	35	-24.217	18.313	46.906	1.00	8.64
ATOM	238	N	CYS	36	-21.930	22.183	47.376	1.00	8.15
ATOM	239	CA	CYS	36	-20.940	22.145	46.312	1.00	8.05
ATOM	240	C	CYS	36	-19.746	23.062	46.679	1.00	11.13
ATOM	241	O	CYS	36	-18.715	22.841	45.999	1.00	10.34
ATOM	242	CB	CYS	36	-21.518	22.598	44.977	1.00	5.97
ATOM	243	SG	CYS	36	-22.774	21.389	44.403	1.00	9.16
ATOM	244	N	GLY	37	-19.855	24.012	47.601	1.00	9.60
ATOM	245	CA	GLY	37	-18.632	24.821	47.862	1.00	8.52
ATOM	246	C	GLY	37	-18.853	25.793	48.998	1.00	11.72
ATOM	247	O	GLY	37	-19.923	26.350	49.153	1.00	12.57
ATOM	248	N	ARG	38	-17.807	26.044	49.767	1.00	9.44
ATOM	249	NH2	ARG	38	-13.066	27.478	54.730	0.00	41.69
ATOM	250	NH1	ARG	38	-14.258	25.862	55.765	0.00	42.03
ATOM	251	CZ	ARG	38	-13.968	26.494	54.619	0.00	41.38
ATOM	252	NE	ARG	38	-14.559	26.142	53.467	0.00	39.87
ATOM	253	CD	ARG	38	-15.763	25.165	53.320	0.00	37.50
ATOM	254	CG	ARG	38	-17.064	25.666	52.814	1.00	23.13
ATOM	255	CB	ARG	38	-16.602	26.727	51.799	1.00	14.90
ATOM	256	CA	ARG	38	-17.812	27.040	50.845	1.00	12.65
ATOM	257	C	ARG	38	-17.566	28.415	50.239	1.00	11.84
ATOM	258	O	ARG	38	-16.987	28.562	49.137	1.00	10.80
ATOM	259	N	VAL	39	-17.953	29.488	50.953	1.00	12.22
ATOM	260	CA	VAL	39	-17.723	30.881	50.483	1.00	11.55
ATOM	261	C	VAL	39	-16.224	31.002	50.149	1.00	11.46
ATOM	262	O	VAL	39	-15.406	30.540	50.944	1.00	12.65
ATOM	263	CB	VAL	39	-18.195	31.902	51.513	1.00	14.37
ATOM	264	CG1	VAL	39	-17.541	33.262	51.282	1.00	18.26
ATOM	265	CG2	VAL	39	-19.720	32.035	51.617	1.00	19.01
ATOM	266	N	GLY	40	-15.853	31.595	49.017	1.00	10.59
ATOM	267	CA	GLY	40	-14.467	31.715	48.658	1.00	9.21
ATOM	268	C	GLY	40	-13.962	30.690	47.689	1.00	11.61
ATOM	269	O	GLY	40	-12.904	30.954	47.066	1.00	13.99
ATOM	270	N	THR	41	-14.603	29.592	47.441	1.00	10.26
ATOM	271	CG2	THR	41	-14.886	26.180	45.550	1.00	8.90
ATOM	272	OG1	THR	41	-15.058	26.792	47.930	1.00	14.49
ATOM	273	CB	THR	41	-15.123	27.285	46.571	1.00	12.41
ATOM	274	CA	THR	41	-14.199	28.566	46.525	1.00	9.98

Fig. 2

SUBSTITUTE SHEET (RULE 26)

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Cont. Fig 2

ATOM	275	C	THR	41	-14.360	29.148	45.121	1.00	11.13
ATOM	276	O	THR	41	-15.404	29.657	44.713	1.00	10.17
ATOM	277	N	GLN	42	-13.297	28.983	44.365	1.00	12.36
ATOM	278	NE2	GLN	42	-11.317	32.840	43.178	0.70	32.68
ATOM	279	OE1	GLN	42	-9.407	31.714	42.552	0.70	35.48
ATOM	280	CD	GLN	42	-10.512	31.791	43.080	0.70	30.29
ATOM	281	CG	GLN	42	-11.132	30.558	43.680	0.70	24.69
ATOM	282	CB	GLN	42	-11.801	29.729	42.592	0.70	18.80
ATOM	288	CA	GLN	42	-13.263	29.456	42.977	1.00	11.77
ATOM	289	C	GLN	42	-13.852	28.392	42.063	1.00	13.86
ATOM	290	O	GLN	42	-13.615	27.187	42.330	1.00	12.07
ATOM	291	N	VAL	43	-14.544	28.817	41.002	1.00	13.96
ATOM	292	CG2	VAL	43	-17.397	28.751	39.309	1.00	15.91
ATOM	293	CG1	VAL	43	-17.192	27.656	41.542	1.00	10.29
ATOM	294	CB	VAL	43	-16.657	27.731	40.117	1.00	14.08
ATOM	295	CA	VAL	43	-15.132	27.886	40.018	1.00	11.05
ATOM	296	C	VAL	43	-14.717	28.297	38.584	1.00	10.70
ATOM	297	O	VAL	43	-14.393	29.467	38.214	1.00	8.75
ATOM	298	N	THR	44	-14.726	27.266	37.757	1.00	8.19
ATOM	299	CG2	THR	44	-13.085	26.655	34.277	1.00	16.80
ATOM	300	OG1	THR	44	-12.054	27.080	36.423	1.00	14.72
ATOM	301	CB	THR	44	-13.232	26.536	35.773	1.00	7.96
ATOM	302	CA	THR	44	-14.459	27.387	36.328	1.00	8.95
ATOM	303	C	THR	44	-15.708	26.877	35.588	1.00	10.78
ATOM	304	O	THR	44	-16.155	25.743	35.947	1.00	9.00
ATOM	305	N	ILE	45	-16.219	27.660	34.626	1.00	10.77
ATOM	306	CA	ILE	45	-17.352	27.175	33.850	1.00	11.78
ATOM	307	C	ILE	45	-16.950	27.476	32.396	1.00	10.56
ATOM	308	O	ILE	45	-16.976	28.673	32.030	1.00	10.62
ATOM	309	CB	ILE	45	-18.743	27.767	34.312	1.00	8.73
ATOM	310	CG1	ILE	45	-19.767	27.359	33.217	1.00	14.25
ATOM	311	CG2	ILE	45	-18.635	29.300	34.483	1.00	14.91
ATOM	312	CD1	ILE	45	-21.239	27.351	33.717	1.00	17.74
ATOM	313	N	GLY	46	-16.588	26.493	31.623	1.00	11.49
ATOM	314	CA	GLY	46	-16.162	26.796	30.214	1.00	13.72
ATOM	315	C	GLY	46	-15.009	27.812	30.282	1.00	12.34
ATOM	316	O	GLY	46	-14.011	27.661	31.002	1.00	14.15
ATOM	317	N	ASN	47	-15.134	28.895	29.512	1.00	13.14
ATOM	318	ND2	ASN	47	-15.075	31.342	26.221	1.00	26.89
ATOM	319	OD1	ASN	47	-16.257	31.266	28.086	1.00	18.12
ATOM	320	CG	ASN	47	-15.180	31.045	27.520	1.00	19.67
ATOM	321	CB	ASN	47	-13.914	30.476	28.081	1.00	17.20
ATOM	322	CA	ASN	47	-14.106	29.967	29.522	1.00	14.86
ATOM	323	C	ASN	47	-14.409	31.129	30.484	1.00	14.20
ATOM	324	O	ASN	47	-13.929	32.264	30.367	1.00	16.69
ATOM	325	N	GLY	48	-15.234	30.900	31.476	1.00	11.79
ATOM	326	CA	GLY	48	-15.629	31.860	32.487	1.00	10.60
ATOM	327	C	GLY	48	-15.114	31.350	33.840	1.00	8.68
ATOM	328	O	GLY	48	-14.741	30.180	34.021	1.00	8.85
ATOM	329	N	ARG	49	-15.067	32.286	34.782	1.00	8.71
ATOM	330	NH2	ARG	49	-10.753	29.684	38.714	0.00	43.61
ATOM	331	NH1	ARG	49	-9.430	30.717	37.086	0.00	39.51
ATOM	332	CZ	ARG	49	-10.647	30.223	37.466	0.00	42.12
ATOM	333	NE	ARG	49	-11.803	30.174	36.714	0.00	38.98

Fig. 2  
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Cont. Fig 2

ATOM	334	CD	ARG	49	-11.625	30.774	35.625	1.00	24.44
ATOM	335	CG	ARG	49	-12.079	32.161	35.395	1.00	20.17
ATOM	336	CB	ARG	49	-13.190	32.537	36.355	1.00	13.15
ATOM	337	CA	ARG	49	-14.600	31.985	36.143	1.00	8.87
ATOM	338	C	ARG	49	-15.485	32.746	37.136	1.00	9.56
ATOM	339	O	ARG	49	-16.026	33.814	36.747	1.00	10.73
ATOM	340	N	GLY	50	-15.644	32.236	38.337	1.00	10.04
ATOM	341	CA	GLY	50	-16.416	32.933	39.372	1.00	6.68
ATOM	342	C	GLY	50	-15.985	32.438	40.758	1.00	7.46
ATOM	343	O	GLY	50	-15.035	31.654	40.838	1.00	8.57
ATOM	344	N	VAL	51	-16.755	32.885	41.756	1.00	9.13
ATOM	345	CG2	VAL	51	-15.047	33.181	45.219	1.00	9.31
ATOM	346	CG1	VAL	51	-16.041	34.936	43.760	1.00	9.54
ATOM	347	CB	VAL	51	-15.469	33.510	43.768	1.00	10.40
ATOM	348	CA	VAL	51	-16.439	32.474	43.145	1.00	8.97
ATOM	349	C	VAL	51	-17.739	32.363	43.951	1.00	8.46
ATOM	350	O	VAL	51	-18.657	33.166	43.726	1.00	8.01
ATOM	351	N	PHE	52	-17.778	31.394	44.846	1.00	7.71
ATOM	352	CD2	PHE	52	-20.510	28.198	46.287	1.00	7.34
ATOM	353	CE2	PHE	52	-20.952	27.038	45.614	1.00	12.48
ATOM	354	CZ	PHE	52	-20.103	26.415	44.672	1.00	11.92
ATOM	355	CE1	PHE	52	-18.857	26.983	44.355	1.00	8.56
ATOM	356	CD1	PHE	52	-18.454	28.151	45.012	1.00	7.30
ATOM	357	CG	PHE	52	-19.269	28.765	45.964	1.00	10.46
ATOM	358	CB	PHE	52	-18.820	30.015	46.703	1.00	9.22
ATOM	359	CA	PHE	52	-18.916	31.237	45.766	1.00	9.28
ATOM	360	C	PHE	52	-18.928	32.498	46.637	1.00	10.41
ATOM	361	O	PHE	52	-17.979	32.752	47.403	1.00	10.33
ATOM	362	N	GLU	53	-20.038	33.239	46.481	1.00	8.81
ATOM	363	OE2	GLU	53	-22.012	37.756	45.426	1.00	27.06
ATOM	364	OE1	GLU	53	-21.229	39.265	46.722	1.00	33.78
ATOM	365	CD	GLU	53	-21.338	38.087	46.413	1.00	28.63
ATOM	366	CG	GLU	53	-20.701	36.961	47.162	1.00	15.08
ATOM	367	CB	GLU	53	-20.818	35.612	46.441	1.00	10.91
ATOM	368	CA	GLU	53	-20.172	34.475	47.239	1.00	10.55
ATOM	369	C	GLU	53	-21.035	34.208	48.485	1.00	13.01
ATOM	370	O	GLU	53	-20.664	34.743	49.558	1.00	11.89
ATOM	371	N	GLN	54	-22.095	33.444	48.352	1.00	9.12
ATOM	372	NE2	GLN	54	-26.256	36.329	49.251	1.00	43.84
ATOM	373	OE1	GLN	54	-25.933	35.594	51.419	1.00	46.53
ATOM	374	CD	GLN	54	-25.586	35.741	50.241	1.00	40.72
ATOM	375	CG	GLN	54	-24.256	35.205	49.756	1.00	29.81
ATOM	376	CB	GLN	54	-24.346	33.707	49.555	1.00	17.82
ATOM	377	CA	GLN	54	-22.955	33.105	49.508	1.00	10.81
ATOM	378	C	GLN	54	-23.164	31.600	49.527	1.00	12.82
ATOM	379	O	GLN	54	-23.418	31.101	48.410	1.00	13.75
ATOM	380	N	SER	55	-23.074	30.926	50.665	1.00	10.56
ATOM	381	OG	SER	55	-22.169	27.372	50.204	1.00	14.02
ATOM	382	CB	SER	55	-21.995	28.781	50.228	1.00	9.88
ATOM	383	CA	SER	55	-23.280	29.470	50.637	1.00	11.20
ATOM	384	C	SER	55	-23.730	28.998	52.014	1.00	12.70
ATOM	385	O	SER	55	-23.084	29.298	53.011	1.00	11.84
ATOM	386	N	VAL	56	-24.824	28.274	52.086	1.00	11.38
ATOM	387	CA	VAL	56	-25.345	27.735	53.342	1.00	9.56

Fig. 2

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Cont. Fig 2

ATOM	388	C	VAL	56	-25.516	26.223	53.218	1.00	11.47
ATOM	389	O	VAL	56	-26.250	25.756	52.302	1.00	10.80
ATOM	390	CB	VAL	56	-26.691	28.365	53.715	1.00	12.57
ATOM	391	CG1	VAL	56	-27.250	27.561	54.895	1.00	13.65
ATOM	392	CG2	VAL	56	-26.542	29.809	54.111	1.00	14.61
ATOM	393	N	PHE	57	-24.903	25.475	54.116	1.00	9.44
ATOM	394	CA	PHE	57	-25.035	24.030	54.173	1.00	10.86
ATOM	395	C	PHE	57	-24.351	23.597	55.503	1.00	12.68
ATOM	396	O	PHE	57	-23.200	24.057	55.632	1.00	14.31
ATOM	397	CB	PHE	57	-24.383	23.289	52.962	1.00	9.20
ATOM	398	CG	PHE	57	-24.530	21.797	53.071	1.00	7.41
ATOM	399	CD1	PHE	57	-23.489	20.999	53.547	1.00	10.87
ATOM	400	CD2	PHE	57	-25.748	21.211	52.762	1.00	10.76
ATOM	401	CE1	PHE	57	-23.654	19.621	53.690	1.00	16.75
ATOM	402	CE2	PHE	57	-25.948	19.851	52.869	1.00	9.80
ATOM	403	CZ	PHE	57	-24.897	19.033	53.326	1.00	17.07
ATOM	404	N	PRO	58	-24.888	22.759	56.355	1.00	11.76
ATOM	405	CA	PRO	58	-26.182	22.082	56.294	1.00	11.15
ATOM	406	C	PRO	58	-27.302	22.967	56.755	1.00	9.63
ATOM	407	O	PRO	58	-27.072	24.207	56.657	1.00	10.82
ATOM	408	CB	PRO	58	-25.955	20.768	57.043	1.00	11.03
ATOM	409	CG	PRO	58	-24.947	21.178	58.078	1.00	12.71
ATOM	410	CD	PRO	58	-24.125	22.322	57.531	1.00	12.73
ATOM	411	N	GLY	59	-28.466	22.432	57.103	1.00	10.97
ATOM	412	CA	GLY	59	-29.594	23.338	57.495	1.00	11.26
ATOM	413	C	GLY	59	-30.330	23.680	56.200	1.00	10.98
ATOM	414	O	GLY	59	-31.477	23.240	56.091	1.00	11.30
ATOM	415	N	ASN	60	-29.767	24.482	55.291	1.00	10.66
ATOM	416	CA	ASN	60	-30.400	24.729	53.962	1.00	8.17
ATOM	417	C	ASN	60	-29.377	24.099	52.981	1.00	9.56
ATOM	418	O	ASN	60	-28.346	23.532	53.474	1.00	8.76
ATOM	419	CB	ASN	60	-30.598	26.175	53.595	1.00	9.50
ATOM	420	CG	ASN	60	-31.369	26.934	54.664	1.00	12.19
ATOM	421	OD1	ASN	60	-30.872	27.984	55.082	1.00	16.81
ATOM	422	ND2	ASN	60	-32.478	26.340	55.060	1.00	15.11
ATOM	423	N	ASP	61	-29.582	24.193	51.661	1.00	7.15
ATOM	424	CA	ASP	61	-28.544	23.661	50.701	1.00	7.83
ATOM	425	C	ASP	61	-28.598	24.692	49.547	1.00	8.69
ATOM	426	O	ASP	61	-29.213	24.393	48.519	1.00	7.71
ATOM	427	CB	ASP	61	-28.818	22.216	50.313	1.00	4.48
ATOM	428	CG	ASP	61	-27.637	21.575	49.640	1.00	6.18
ATOM	429	OD1	ASP	61	-27.591	20.419	49.245	1.00	6.86
ATOM	430	OD2	ASP	61	-26.622	22.316	49.431	1.00	8.20
ATOM	431	N	ALA	62	-28.041	25.868	49.751	1.00	7.72
ATOM	432	CB	ALA	62	-29.258	27.857	49.385	1.00	8.64
ATOM	433	CA	ALA	62	-28.134	26.967	48.775	1.00	8.98
ATOM	434	C	ALA	62	-26.880	27.802	48.618	1.00	9.19
ATOM	435	O	ALA	62	-26.114	27.939	49.618	1.00	10.25
ATOM	436	N	ALA	63	-26.667	28.360	47.434	1.00	7.69
ATOM	437	CA	ALA	63	-25.476	29.189	47.173	1.00	7.50
ATOM	438	C	ALA	63	-25.668	30.110	45.987	1.00	7.33
ATOM	439	O	ALA	63	-26.526	29.843	45.116	1.00	6.36
ATOM	440	CB	ALA	63	-24.247	28.263	46.886	1.00	4.57
ATOM	441	N	PHE	64	-24.889	31.172	45.985	1.00	8.23

Fig. 2

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Cont. Fig 2

ATOM	442	CD2	PHE	64	-24.221	35.364	43.942	1.00	6.73
ATOM	443	CE2	PHE	64	-24.051	36.237	42.841	1.00	7.23
ATOM	444	CZ	PHE	64	-25.063	36.205	41.842	1.00	6.08
ATOM	445	CE1	PHE	64	-26.166	35.352	41.959	1.00	10.30
ATOM	446	CD1	PHE	64	-26.263	34.453	43.038	1.00	10.04
ATOM	447	CG	PHE	64	-25.287	34.477	44.027	1.00	6.69
ATOM	448	CB	PHE	64	-25.415	33.537	45.240	1.00	6.42
ATOM	449	CA	PHE	64	-24.840	32.152	44.922	1.00	7.87
ATOM	450	C	PHE	64	-23.351	32.196	44.518	1.00	10.06
ATOM	451	O	PHE	64	-22.454	32.478	45.362	1.00	10.39
ATOM	452	N	VAL	65	-23.080	31.952	43.234	1.00	8.61
ATOM	453	CA	VAL	65	-21.722	32.028	42.662	1.00	8.62
ATOM	454	C	VAL	65	-21.686	33.327	41.831	1.00	8.89
ATOM	455	O	VAL	65	-22.514	33.548	40.948	1.00	7.44
ATOM	456	CB	VAL	65	-21.338	30.840	41.722	1.00	11.34
ATOM	457	CG1	VAL	65	-20.018	31.055	40.967	1.00	10.37
ATOM	458	CG2	VAL	65	-21.333	29.530	42.493	1.00	9.94
ATOM	459	N	ARG	66	-20.744	34.213	42.094	1.00	6.55
ATOM	460	NH2	ARG	66	-16.111	39.098	43.470	1.00	18.29
ATOM	461	NH1	ARG	66	-17.309	39.979	41.747	1.00	18.67
ATOM	462	CZ	ARG	66	-17.271	39.260	42.832	1.00	18.74
ATOM	463	NE	ARG	66	-18.308	38.673	43.409	1.00	22.97
ATOM	464	CD	ARG	66	-19.672	38.751	42.950	1.00	23.13
ATOM	465	CG	ARG	66	-19.916	37.827	41.797	1.00	18.33
ATOM	466	CB	ARG	66	-19.949	36.464	42.422	1.00	12.11
ATOM	467	CA	ARG	66	-20.545	35.475	41.416	1.00	8.00
ATOM	468	C	ARG	66	-19.501	35.310	40.305	1.00	7.85
ATOM	469	O	ARG	66	-18.447	34.738	40.557	1.00	8.51
ATOM	470	N	GLY	67	-19.828	35.857	39.132	1.00	8.23
ATOM	471	CA	GLY	67	-18.921	35.779	37.962	1.00	3.28
ATOM	472	C	GLY	67	-17.838	36.834	38.114	1.00	7.11
ATOM	473	O	GLY	67	-18.123	38.019	38.332	1.00	9.23
ATOM	474	N	THR	68	-16.585	36.418	37.933	1.00	6.19
ATOM	475	CA	THR	68	-15.407	37.292	37.994	1.00	6.13
ATOM	476	C	THR	68	-14.784	37.468	36.611	1.00	10.55
ATOM	477	O	THR	68	-13.939	38.358	36.375	1.00	9.20
ATOM	478	CB	THR	68	-14.366	36.832	39.071	1.00	13.02
ATOM	479	OG1	THR	68	-13.865	35.569	38.579	1.00	9.29
ATOM	480	CG2	THR	68	-14.870	36.773	40.522	1.00	11.87
ATOM	481	N	SER	69	-15.205	36.672	35.618	1.00	12.02
ATOM	482	CA	SER	69	-14.736	36.796	34.233	1.00	11.62
ATOM	483	C	SER	69	-15.660	36.069	33.264	1.00	12.37
ATOM	484	O	SER	69	-15.911	34.865	33.480	1.00	11.23
ATOM	485	CB	SER	69	-13.337	36.184	34.027	1.00	12.32
ATOM	486	OG	SER	69	-12.823	36.389	32.763	1.00	15.07
ATOM	487	N	ASN	70	-16.100	36.767	32.236	1.00	12.58
ATOM	488	ND2	ASN	70	-16.685	36.201	28.330	1.00	20.03
ATOM	489	OD1	ASN	70	-15.425	34.370	28.194	1.00	19.07
ATOM	490	CG	ASN	70	-15.954	35.243	28.878	1.00	14.54
ATOM	491	CB	ASN	70	-15.848	35.335	30.379	1.00	8.27
ATOM	492	CA	ASN	70	-16.894	36.195	31.131	1.00	11.17
ATOM	493	C	ASN	70	-18.166	35.424	31.400	1.00	10.53
ATOM	494	O	ASN	70	-18.343	34.319	30.817	1.00	14.17
ATOM	495	N	PHE	71	-19.048	35.946	32.209	1.00	8.98

Fig. 2  
SUBSTITUTE SHEET (RULE 26)

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Cont. Fig 2

ATOM	496	CD2	PHE	71	-21.139	34.054	36.002	1.00	5.72
ATOM	497	CE2	PHE	71	-20.735	33.063	36.900	1.00	7.44
ATOM	498	CZ	PHE	71	-19.483	32.395	36.669	1.00	10.35
ATOM	499	CE1	PHE	71	-18.713	32.681	35.550	1.00	10.41
ATOM	500	CD1	PHE	71	-19.159	33.681	34.652	1.00	9.67
ATOM	501	CG	PHE	71	-20.350	34.372	34.873	1.00	5.76
ATOM	502	CB	PHE	71	-20.839	35.417	33.897	1.00	7.11
ATOM	503	CA	PHE	71	-20.346	35.257	32.435	1.00	10.26
ATOM	504	C	PHE	71	-21.337	35.958	31.503	1.00	11.61
ATOM	505	O	PHE	71	-21.429	37.207	31.537	1.00	14.68
ATOM	506	N	THR	72	-22.071	35.275	30.691	1.00	11.03
ATOM	507	CA	THR	72	-23.133	35.902	29.860	1.00	9.26
ATOM	508	C	THR	72	-24.405	35.261	30.425	1.00	9.51
ATOM	509	O	THR	72	-24.562	34.027	30.269	1.00	11.35
ATOM	510	CB	THR	72	-23.036	35.596	28.328	1.00	15.61
ATOM	511	OG1	THR	72	-21.768	36.189	27.928	1.00	15.86
ATOM	512	CG2	THR	72	-24.177	36.178	27.494	1.00	14.54
ATOM	513	N	LEU	73	-25.282	36.028	31.020	1.00	11.12
ATOM	514	CA	LEU	73	-26.502	35.479	31.608	1.00	9.31
ATOM	515	C	LEU	73	-27.504	35.184	30.484	1.00	9.04
ATOM	516	O	LEU	73	-27.563	35.896	29.460	1.00	8.44
ATOM	517	CB	LEU	73	-27.046	36.412	32.687	1.00	8.84
ATOM	518	CG	LEU	73	-26.215	36.869	33.883	1.00	13.85
ATOM	519	CD1	LEU	73	-27.074	37.521	34.968	1.00	12.85
ATOM	520	CD2	LEU	73	-25.471	35.702	34.530	1.00	9.85
ATOM	521	N	THR	74	-28.295	34.161	30.737	1.00	7.42
ATOM	522	CG2	THR	74	-27.696	32.554	28.200	1.00	3.40
ATOM	523	OG1	THR	74	-29.174	31.283	29.642	1.00	9.42
ATOM	524	CB	THR	74	-29.063	32.532	28.922	1.00	7.73
ATOM	525	CA	THR	74	-29.389	33.735	29.859	1.00	7.40
ATOM	526	C	THR	74	-30.600	33.347	30.732	1.00	10.05
ATOM	527	O	THR	74	-30.473	33.184	31.959	1.00	7.44
ATOM	528	N	ASN	75	-31.775	33.201	30.069	1.00	8.53
ATOM	529	ND2	ASN	75	-36.021	33.747	28.974	1.00	14.07
ATOM	530	OD1	ASN	75	-33.929	33.279	28.252	1.00	14.16
ATOM	531	CG	ASN	75	-34.723	33.526	29.157	1.00	15.69
ATOM	532	CB	ASN	75	-34.178	33.518	30.570	1.00	11.17
ATOM	533	CA	ASN	75	-32.924	32.729	30.849	1.00	9.39
ATOM	534	C	ASN	75	-33.156	31.252	30.465	1.00	10.95
ATOM	535	O	ASN	75	-34.322	30.835	30.620	1.00	13.03
ATOM	536	N	LEU	76	-32.177	30.516	29.993	1.00	7.99
ATOM	537	CD2	LEU	76	-32.993	29.592	26.412	1.00	11.04
ATOM	538	CD1	LEU	76	-30.530	29.917	26.112	1.00	13.41
ATOM	539	CG	LEU	76	-31.687	29.987	27.082	1.00	11.12
ATOM	540	CB	LEU	76	-31.416	29.013	28.250	1.00	10.63
ATOM	541	CA	LEU	76	-32.315	29.158	29.530	1.00	8.79
ATOM	542	C	LEU	76	-31.876	28.059	30.512	1.00	8.97
ATOM	543	O	LEU	76	-31.038	28.290	31.385	1.00	6.01
ATOM	544	N	VAL	77	-32.529	26.936	30.323	1.00	8.54
ATOM	545	CA	VAL	77	-32.285	25.689	31.062	1.00	8.05
ATOM	546	C	VAL	77	-32.125	24.578	29.973	1.00	9.00
ATOM	547	O	VAL	77	-33.126	24.380	29.178	1.00	6.78
ATOM	548	CB	VAL	77	-33.397	25.290	32.052	1.00	8.09
ATOM	549	CG1	VAL	77	-33.049	23.911	32.715	1.00	5.84

Fig. 2

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Cont. Fig 2

ATOM	550	CG2	VAL	77	-33.575	26.350	33.142	1.00	10.07
ATOM	551	N	SER	78	-31.017	23.871	29.974	1.00	8.67
ATOM	552	OG	SER	78	-29.161	21.344	27.899	1.00	9.85
ATOM	553	CB	SER	78	-29.355	22.409	28.857	1.00	12.29
ATOM	554	CA	SER	78	-30.831	22.814	28.929	1.00	8.23
ATOM	555	C	SER	78	-31.710	21.583	29.189	1.00	9.82
ATOM	556	O	SER	78	-31.759	21.055	30.305	1.00	7.69
ATOM	557	N	ARG	79	-32.337	21.082	28.116	1.00	9.80
ATOM	558	NH2	ARG	79	-37.443	22.028	24.212	1.00	31.34
ATOM	559	NH1	ARG	79	-38.500	22.780	26.184	1.00	27.56
ATOM	560	CZ	ARG	79	-37.601	21.991	25.554	1.00	28.07
ATOM	561	NE	ARG	79	-36.785	21.131	26.161	1.00	21.89
ATOM	562	CD	ARG	79	-36.718	20.936	27.589	1.00	18.78
ATOM	563	CG	ARG	79	-35.265	21.118	27.992	1.00	9.14
ATOM	564	CB	ARG	79	-34.499	19.957	27.396	1.00	7.07
ATOM	565	CA	ARG	79	-33.163	19.879	28.166	1.00	10.01
ATOM	566	C	ARG	79	-32.272	18.740	27.659	1.00	11.09
ATOM	567	O	ARG	79	-32.799	17.622	27.476	1.00	11.76
ATOM	568	N	TYR	80	-30.980	18.901	27.456	1.00	10.89
ATOM	569	OH	TYR	80	-25.669	19.608	31.411	1.00	13.70
ATOM	570	CD2	TYR	80	-28.969	18.626	30.175	1.00	8.55
ATOM	571	CE2	TYR	80	-28.018	19.277	30.962	1.00	9.07
ATOM	572	CZ	TYR	80	-26.667	19.006	30.683	1.00	13.15
ATOM	573	CE1	TYR	80	-26.290	18.103	29.673	1.00	13.12
ATOM	574	CD1	TYR	80	-27.305	17.481	28.921	1.00	12.00
ATOM	575	CG	TYR	80	-28.646	17.742	29.153	1.00	10.87
ATOM	576	CB	TYR	80	-29.686	17.010	28.331	1.00	11.71
ATOM	577	CA	TYR	80	-30.100	17.809	27.036	1.00	13.19
ATOM	578	C	TYR	80	-30.669	16.889	25.939	1.00	15.57
ATOM	579	O	TYR	80	-31.074	17.414	24.848	1.00	16.53
ATOM	580	N	ASN	81	-30.732	15.583	26.157	1.00	15.67
ATOM	581	ND2	ASN	81	-30.251	12.075	23.672	0.50	23.42
ATOM	582	OD1	ASN	81	-31.653	10.851	24.930	0.50	22.68
ATOM	583	CG	ASN	81	-31.012	11.924	24.769	0.50	24.69
ATOM	584	CB	ASN	81	-30.915	13.117	25.699	0.50	20.33
ATOM	589	CA	ASN	81	-31.169	14.536	25.163	1.00	17.67
ATOM	590	C	ASN	81	-32.611	14.689	24.807	1.00	18.70
ATOM	591	O	ASN	81	-33.067	14.207	23.731	1.00	20.41
ATOM	592	N	THR	82	-33.405	15.385	25.621	1.00	15.25
ATOM	593	CG2	THR	82	-36.933	16.845	26.136	1.00	15.50
ATOM	594	OG1	THR	82	-35.944	14.838	27.235	1.00	15.80
ATOM	595	CB	THR	82	-35.663	16.070	26.495	1.00	13.76
ATOM	596	CA	THR	82	-34.787	15.661	25.275	1.00	16.61
ATOM	597	C	THR	82	-34.775	16.712	24.128	1.00	19.57
ATOM	598	O	THR	82	-35.725	16.765	23.314	1.00	20.18
ATOM	599	N	GLY	83	-33.765	17.555	23.973	1.00	17.44
ATOM	600	CA	GLY	83	-33.611	18.551	22.941	1.00	16.21
ATOM	601	C	GLY	83	-34.082	19.964	23.286	1.00	12.64
ATOM	602	O	GLY	83	-35.127	20.225	23.908	1.00	12.83
ATOM	603	N	GLY	84	-33.281	20.926	22.859	1.00	11.84
ATOM	604	CA	GLY	84	-33.604	22.331	23.082	1.00	11.09
ATOM	605	C	GLY	84	-33.492	22.741	24.541	1.00	9.78
ATOM	606	O	GLY	84	-32.796	22.177	25.384	1.00	10.83
ATOM	607	N	TYR	85	-34.104	23.875	24.825	1.00	10.88

Fig. 2

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Cont. Fig 2

ATOM	608	OH	TYR	85	-28.004	24.555	24.203	1.00	18.98
ATOM	609	CD2	TYR	85	-31.561	25.395	24.068	1.00	12.07
ATOM	610	CE2	TYR	85	-30.266	25.023	23.693	1.00	13.73
ATOM	611	CZ	TYR	85	-29.263	24.890	24.644	1.00	15.05
ATOM	612	CE1	TYR	85	-29.519	25.081	26.012	1.00	12.94
ATOM	613	CD1	TYR	85	-30.826	25.421	26.395	1.00	12.96
ATOM	614	CG	TYR	85	-31.850	25.570	25.445	1.00	11.64
ATOM	615	CB	TYR	85	-33.264	25.866	25.882	1.00	10.50
ATOM	616	CA	TYR	85	-34.079	24.539	26.116	1.00	10.86
ATOM	617	C	TYR	85	-35.418	25.002	26.674	1.00	13.82
ATOM	618	O	TYR	85	-36.268	25.491	25.854	1.00	14.41
ATOM	619	N	ALA	86	-35.569	24.891	27.969	1.00	9.86
ATOM	620	CB	ALA	86	-37.046	24.630	29.971	1.00	9.75
ATOM	621	CA	ALA	86	-36.735	25.425	28.695	1.00	11.67
ATOM	622	C	ALA	86	-36.361	26.918	28.958	1.00	11.87
ATOM	623	O	ALA	86	-35.188	27.341	28.972	1.00	9.92
ATOM	624	N	THR	87	-37.345	27.829	29.131	1.00	10.43
ATOM	625	CG2	THR	87	-36.841	29.875	26.861	1.00	17.11
ATOM	626	OG1	THR	87	-38.959	29.934	28.083	1.00	17.19
ATOM	627	CB	THR	87	-37.539	30.174	28.200	1.00	17.24
ATOM	628	CA	THR	87	-37.057	29.241	29.379	1.00	10.64
ATOM	629	C	THR	87	-37.640	29.593	30.724	1.00	11.34
ATOM	630	O	THR	87	-38.696	29.055	31.041	1.00	13.09
ATOM	631	N	VAL	88	-37.001	30.448	31.521	1.00	10.66
ATOM	632	CA	VAL	88	-37.441	30.863	32.856	1.00	9.45
ATOM	633	C	VAL	88	-38.255	32.155	32.696	1.00	11.88
ATOM	634	O	VAL	88	-37.698	33.094	32.136	1.00	10.63
ATOM	635	CB	VAL	88	-36.246	31.053	33.821	1.00	7.00
ATOM	636	CG1	VAL	88	-36.652	31.636	35.192	1.00	5.32
ATOM	637	CG2	VAL	88	-35.478	29.746	33.985	1.00	9.05
ATOM	638	N	ALA	89	-39.467	32.233	33.201	1.00	10.89
ATOM	639	CB	ALA	89	-41.539	33.201	32.260	1.00	9.11
ATOM	640	CA	ALA	89	-40.325	33.440	33.132	1.00	11.01
ATOM	641	C	ALA	89	-40.690	33.918	34.548	1.00	11.13
ATOM	642	O	ALA	89	-41.242	35.028	34.655	1.00	13.90
ATOM	643	N	GLY	90	-40.351	33.181	35.617	1.00	9.54
ATOM	644	CA	GLY	90	-40.632	33.592	36.976	1.00	8.75
ATOM	645	C	GLY	90	-40.322	32.409	37.921	1.00	10.19
ATOM	646	O	GLY	90	-39.660	31.477	37.500	1.00	9.62
ATOM	647	N	HIS	91	-40.857	32.540	39.135	1.00	11.81
ATOM	648	CD2	HIS	91	-40.073	33.404	43.018	1.00	18.32
ATOM	649	NE2	HIS	91	-40.052	34.763	43.177	1.00	17.97
ATOM	650	CE1	HIS	91	-39.622	35.366	42.127	1.00	17.17
ATOM	651	ND1	HIS	91	-39.350	34.411	41.259	1.00	16.07
ATOM	652	CG	HIS	91	-39.605	33.184	41.765	1.00	16.04
ATOM	653	CB	HIS	91	-39.411	31.883	41.060	1.00	11.82
ATOM	654	CA	HIS	91	-40.637	31.530	40.180	1.00	10.58
ATOM	655	C	HIS	91	-41.854	31.229	41.025	1.00	12.38
ATOM	656	O	HIS	91	-41.723	31.032	42.248	1.00	13.11
ATOM	657	N	ASN	92	-43.013	31.126	40.369	1.00	12.16
ATOM	658	ND2	ASN	92	-46.608	32.760	41.360	1.00	44.37
ATOM	659	OD1	ASN	92	-45.564	33.225	39.385	1.00	40.52
ATOM	660	CG	ASN	92	-45.903	32.418	40.259	1.00	35.33
ATOM	661	CB	ASN	92	-45.524	30.938	40.252	1.00	23.82

Fig. 2  
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Cont. Fig 2

ATOM	662	CA	ASN	92	-44.261	30.746	41.119	1.00	13.35
ATOM	663	C	ASN	92	-44.164	29.268	41.493	1.00	12.66
ATOM	664	O	ASN	92	-43.930	28.437	40.582	1.00	11.76
ATOM	665	N	GLN	93	-44.364	28.935	42.749	1.00	11.08
ATOM	666	NE2	GLN	93	-42.340	27.432	47.693	1.00	21.50
ATOM	667	OE1	GLN	93	-44.559	27.501	47.458	1.00	31.26
ATOM	668	CD	GLN	93	-43.422	27.632	46.972	1.00	27.63
ATOM	669	CG	GLN	93	-43.291	28.002	45.511	1.00	20.72
ATOM	670	CB	GLN	93	-44.409	27.379	44.700	1.00	15.24
ATOM	671	CA	GLN	93	-44.262	27.516	43.171	1.00	12.74
ATOM	672	C	GLN	93	-45.394	26.705	42.566	1.00	13.82
ATOM	673	O	GLN	93	-46.572	27.162	42.672	1.00	15.94
ATOM	674	N	ALA	94	-45.166	25.549	42.048	1.00	11.74
ATOM	675	CA	ALA	94	-46.178	24.676	41.481	1.00	11.41
ATOM	676	C	ALA	94	-46.815	23.934	42.649	1.00	14.20
ATOM	677	O	ALA	94	-46.120	23.587	43.637	1.00	14.08
ATOM	678	CB	ALA	94	-45.495	23.704	40.529	1.00	6.58
ATOM	679	N	PRO	95	-48.112	23.645	42.551	1.00	14.96
ATOM	680	CG	PRO	95	-50.259	23.275	41.661	1.00	15.96
ATOM	681	CD	PRO	95	-48.954	24.020	41.412	1.00	15.38
ATOM	682	CB	PRO	95	-50.261	22.810	43.087	1.00	13.99
ATOM	683	CA	PRO	95	-48.815	22.843	43.571	1.00	13.77
ATOM	684	C	PRO	95	-48.308	21.414	43.670	1.00	12.85
ATOM	685	O	PRO	95	-47.789	20.722	42.764	1.00	13.21
ATOM	686	N	ILE	96	-48.439	20.860	44.892	1.00	9.64
ATOM	687	CD1	ILE	96	-46.305	19.698	47.937	1.00	20.39
ATOM	688	CG1	ILE	96	-47.785	19.940	47.690	1.00	17.20
ATOM	689	CB	ILE	96	-48.425	19.023	46.634	1.00	13.72
ATOM	690	CG2	ILE	96	-48.131	17.530	46.952	1.00	17.91
ATOM	691	CA	ILE	96	-48.058	19.444	45.141	1.00	11.51
ATOM	692	C	ILE	96	-48.841	18.627	44.138	1.00	13.14
ATOM	693	O	ILE	96	-50.052	18.979	43.880	1.00	15.21
ATOM	694	N	GLY	97	-48.332	17.575	43.528	1.00	10.18
ATOM	695	CA	GLY	97	-49.020	16.783	42.537	1.00	9.00
ATOM	696	C	GLY	97	-48.645	17.200	41.126	1.00	11.33
ATOM	697	O	GLY	97	-48.867	16.374	40.221	1.00	12.32
ATOM	698	N	SER	98	-48.108	18.393	40.935	1.00	10.97
ATOM	699	OG	SER	98	-48.122	21.262	40.073	0.70	15.96
ATOM	700	CB	SER	98	-47.149	20.355	39.724	0.70	13.01
ATOM	703	CA	SER	98	-47.643	18.918	39.637	1.00	11.70
ATOM	704	C	SER	98	-46.376	18.198	39.140	1.00	11.01
ATOM	705	O	SER	98	-45.567	17.708	39.906	1.00	12.53
ATOM	706	N	SER	99	-46.203	18.149	37.825	1.00	8.54
ATOM	707	OG	SER	99	-45.372	18.423	34.957	1.00	12.93
ATOM	708	CB	SER	99	-45.157	17.258	35.747	1.00	7.78
ATOM	709	CA	SER	99	-45.010	17.562	37.226	1.00	8.54
ATOM	710	C	SER	99	-43.921	18.659	37.391	1.00	7.90
ATOM	711	O	SER	99	-44.195	19.884	37.534	1.00	10.31
ATOM	712	N	VAL	100	-42.675	18.231	37.384	1.00	9.21
ATOM	713	CA	VAL	100	-41.468	19.082	37.505	1.00	5.59
ATOM	714	C	VAL	100	-40.375	18.343	36.773	1.00	5.35
ATOM	715	O	VAL	100	-40.380	17.108	36.785	1.00	9.03
ATOM	716	CB	VAL	100	-41.112	19.395	38.979	1.00	5.88
ATOM	717	CG1	VAL	100	-40.630	18.114	39.670	1.00	8.61

Fig. 2

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Cont. Fig 2

ATOM	718	CG2	VAL	100	-40.142	20.579	39.127	1.00	5.24
ATOM	719	N	CYS	101	-39.423	19.055	36.168	1.00	5.24
ATOM	720	CA	CYS	101	-38.304	18.494	35.437	1.00	4.35
ATOM	721	C	CYS	101	-36.989	18.996	36.086	1.00	5.37
ATOM	722	O	CYS	101	-36.984	20.152	36.529	1.00	8.17
ATOM	723	CB	CYS	101	-38.312	18.824	33.935	1.00	5.99
ATOM	724	SG	CYS	101	-39.723	18.001	33.063	1.00	8.35
ATOM	725	N	ARG	102	-35.982	18.175	36.084	1.00	6.08
ATOM	726	CA	ARG	102	-34.649	18.527	36.587	1.00	7.57
ATOM	727	C	ARG	102	-33.605	18.534	35.462	1.00	8.71
ATOM	728	O	ARG	102	-33.604	17.647	34.598	1.00	8.00
ATOM	729	CB	ARG	102	-34.261	17.489	37.655	1.00	4.69
ATOM	730	CG	ARG	102	-32.859	17.784	38.286	1.00	3.27
ATOM	731	CD	ARG	102	-32.303	16.653	39.077	1.00	6.25
ATOM	732	NE	ARG	102	-32.250	15.402	38.343	1.00	7.04
ATOM	733	CZ	ARG	102	-31.471	15.083	37.294	1.00	9.62
ATOM	734	NH1	ARG	102	-31.692	13.864	36.773	1.00	9.55
ATOM	735	NH2	ARG	102	-30.608	15.953	36.805	1.00	5.91
ATOM	736	N	SER	103	-32.662	19.454	35.404	1.00	7.27
ATOM	737	CA	SER	103	-31.567	19.475	34.435	1.00	4.96
ATOM	738	C	SER	103	-30.259	19.365	35.228	1.00	6.42
ATOM	739	O	SER	103	-30.059	20.177	36.162	1.00	6.49
ATOM	740	CB	SER	103	-31.571	20.781	33.624	1.00	5.59
ATOM	741	OG	SER	103	-30.581	20.673	32.575	1.00	7.71
ATOM	742	N	GLY	104	-29.359	18.411	34.965	1.00	7.52
ATOM	743	CA	GLY	104	-28.071	18.282	35.661	1.00	5.92
ATOM	744	C	GLY	104	-27.031	17.745	34.686	1.00	6.41
ATOM	745	O	GLY	104	-27.354	17.083	33.665	1.00	7.09
ATOM	746	N	SER	105	-25.757	18.002	34.912	1.00	7.88
ATOM	747	OG	SER	105	-22.953	18.433	35.504	1.00	11.75
ATOM	748	CB	SER	105	-23.430	18.504	34.179	1.00	7.00
ATOM	749	CA	SER	105	-24.638	17.559	34.049	1.00	10.37
ATOM	750	C	SER	105	-24.255	16.085	34.102	1.00	10.06
ATOM	751	O	SER	105	-23.505	15.679	33.176	1.00	10.75
ATOM	752	N	THR	106	-24.719	15.248	35.018	1.00	9.74
ATOM	753	CA	THR	106	-24.403	13.811	35.029	1.00	9.92
ATOM	754	C	THR	106	-25.458	13.046	34.238	1.00	8.56
ATOM	755	O	THR	106	-25.079	12.174	33.464	1.00	10.42
ATOM	756	CB	THR	106	-24.322	13.103	36.435	1.00	10.71
ATOM	757	OG1	THR	106	-23.436	13.978	37.167	1.00	10.45
ATOM	758	CG2	THR	106	-23.782	11.671	36.508	1.00	6.76
ATOM	759	N	THR	107	-26.723	13.319	34.467	1.00	7.87
ATOM	760	CA	THR	107	-27.804	12.599	33.831	1.00	5.96
ATOM	761	C	THR	107	-28.634	13.349	32.838	1.00	7.88
ATOM	762	O	THR	107	-29.531	12.664	32.266	1.00	8.47
ATOM	763	CB	THR	107	-28.695	11.935	34.969	1.00	8.85
ATOM	764	OG1	THR	107	-29.241	13.086	35.695	1.00	7.24
ATOM	765	CG2	THR	107	-27.869	11.012	35.858	1.00	8.14
ATOM	766	N	GLY	108	-28.523	14.609	32.643	1.00	7.16
ATOM	767	CA	GLY	108	-29.341	15.323	31.611	1.00	8.94
ATOM	768	C	GLY	108	-30.668	15.756	32.223	1.00	10.50
ATOM	769	O	GLY	108	-30.722	16.175	33.436	1.00	8.98
ATOM	770	N	TRP	109	-31.691	15.642	31.408	1.00	6.52
ATOM	771	CD2	TRP	109	-35.413	18.684	30.968	1.00	5.39

Fig. 2  
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Cont. Fig 2

ATOM	772	CE3	TRP	109	-34.790	19.728	31.656	1.00	5.67
ATOM	773	CZ3	TRP	109	-35.588	20.864	31.900	1.00	10.11
ATOM	774	CH2	TRP	109	-36.931	20.950	31.533	1.00	7.46
ATOM	775	CZ2	TRP	109	-37.555	19.912	30.864	1.00	5.36
ATOM	776	CE2	TRP	109	-36.762	18.789	30.603	1.00	8.40
ATOM	777	NE1	TRP	109	-37.097	17.619	29.964	1.00	11.33
ATOM	778	CD1	TRP	109	-35.996	16.771	29.909	1.00	8.89
ATOM	779	CG	TRP	109	-34.928	17.409	30.506	1.00	7.87
ATOM	780	CB	TRP	109	-33.558	16.856	30.594	1.00	4.08
ATOM	781	CA	TRP	109	-33.070	16.106	31.803	1.00	6.13
ATOM	782	C	TRP	109	-34.031	15.013	32.176	1.00	7.55
ATOM	783	O	TRP	109	-34.244	14.017	31.372	1.00	8.28
ATOM	784	N	HIS	110	-34.566	15.040	33.380	1.00	6.29
ATOM	785	CD2	HIS	110	-32.409	12.573	33.819	1.00	8.99
ATOM	786	NE2	HIS	110	-31.845	11.558	33.121	1.00	10.03
ATOM	787	CE1	HIS	110	-32.751	10.595	32.981	1.00	12.94
ATOM	788	ND1	HIS	110	-33.856	11.027	33.562	1.00	12.68
ATOM	789	CG	HIS	110	-33.678	12.246	34.128	1.00	9.92
ATOM	790	CB	HIS	110	-34.761	13.004	34.840	1.00	8.94
ATOM	791	CA	HIS	110	-35.487	13.971	33.861	1.00	7.82
ATOM	792	C	HIS	110	-36.648	14.637	34.584	1.00	7.74
ATOM	793	O	HIS	110	-36.444	15.708	35.190	1.00	8.03
ATOM	794	N	CYS	111	-37.832	13.990	34.506	1.00	7.77
ATOM	795	CA	CYS	111	-39.052	14.589	35.065	1.00	7.64
ATOM	796	C	CYS	111	-39.864	13.660	35.952	1.00	9.31
ATOM	797	O	CYS	111	-39.559	12.451	35.928	1.00	11.03
ATOM	798	CB	CYS	111	-39.988	15.100	33.925	1.00	9.61
ATOM	799	SG	CYS	111	-39.150	16.153	32.711	1.00	9.12
ATOM	800	N	GLY	112	-40.828	14.245	36.638	1.00	8.81
ATOM	801	CA	GLY	112	-41.625	13.408	37.597	1.00	8.51
ATOM	802	C	GLY	112	-42.521	14.315	38.399	1.00	10.25
ATOM	803	O	GLY	112	-42.794	15.437	37.941	1.00	12.04
ATOM	804	N	THR	113	-42.979	13.969	39.595	1.00	10.08
ATOM	805	CA	THR	113	-43.870	14.809	40.372	1.00	8.62
ATOM	806	C	THR	113	-43.359	15.387	41.685	1.00	9.71
ATOM	807	O	THR	113	-42.441	14.786	42.268	1.00	10.48
ATOM	808	CB	THR	113	-45.240	13.996	40.648	1.00	17.08
ATOM	809	OG1	THR	113	-44.930	12.755	41.340	1.00	19.10
ATOM	810	CG2	THR	113	-46.004	13.705	39.362	1.00	15.24
ATOM	811	N	ILE	114	-43.963	16.488	42.073	1.00	8.35
ATOM	812	CA	ILE	114	-43.662	17.108	43.365	1.00	9.73
ATOM	813	C	ILE	114	-44.554	16.338	44.383	1.00	13.59
ATOM	814	O	ILE	114	-45.816	16.336	44.198	1.00	12.54
ATOM	815	CB	ILE	114	-44.008	18.621	43.384	1.00	10.58
ATOM	816	CG1	ILE	114	-43.089	19.319	42.341	1.00	12.00
ATOM	817	CG2	ILE	114	-43.864	19.215	44.814	1.00	12.84
ATOM	818	CD1	ILE	114	-43.555	20.750	42.065	1.00	10.62
ATOM	819	N	GLN	115	-43.977	15.668	45.379	1.00	12.39
ATOM	820	NE2	GLN	115	-43.951	10.378	45.759	1.00	33.00
ATOM	821	OE1	GLN	115	-42.098	11.415	46.407	1.00	34.76
ATOM	822	CD	GLN	115	-43.243	11.496	45.943	1.00	30.30
ATOM	823	CG	GLN	115	-43.993	12.758	45.524	1.00	18.83
ATOM	824	CB	GLN	115	-44.077	13.606	46.811	1.00	11.43
ATOM	825	CA	GLN	115	-44.732	14.936	46.396	1.00	11.59

Fig. 2

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Cont. Fig 2

ATOM	826	C	GLN	115	-44.956	15.640	47.693	1.00	11.61
ATOM	827	O	GLN	115	-46.105	15.494	48.196	1.00	14.96
ATOM	828	N	ALA	116	-44.037	16.355	48.292	1.00	12.17
ATOM	829	CA	ALA	116	-44.291	16.976	49.618	1.00	10.65
ATOM	830	C	ALA	116	-43.263	18.055	49.863	1.00	9.88
ATOM	831	O	ALA	116	-42.162	17.978	49.326	1.00	13.41
ATOM	832	CB	ALA	116	-44.101	15.894	50.689	1.00	10.10
ATOM	833	N	ARG	117	-43.586	19.020	50.636	1.00	9.81
ATOM	834	NH2	ARG	117	-43.870	23.560	45.115	1.00	13.10
ATOM	835	NH1	ARG	117	-45.496	23.020	46.568	1.00	17.40
ATOM	836	CZ	ARG	117	-44.191	23.340	46.386	1.00	16.37
ATOM	837	NE	ARG	117	-43.268	23.465	47.330	1.00	14.91
ATOM	838	CD	ARG	117	-43.450	23.251	48.783	1.00	13.89
ATOM	839	CG	ARG	117	-43.323	21.801	49.092	1.00	10.78
ATOM	840	CB	ARG	117	-43.392	21.470	50.596	1.00	10.30
ATOM	841	CA	ARG	117	-42.725	20.137	50.983	1.00	10.62
ATOM	842	C	ARG	117	-42.465	20.023	52.496	1.00	12.42
ATOM	843	O	ARG	117	-43.122	19.229	53.201	1.00	14.36
ATOM	844	N	GLY	118	-41.566	20.803	52.999	1.00	10.94
ATOM	845	CA	GLY	118	-41.246	20.891	54.430	1.00	14.46
ATOM	846	C	GLY	118	-40.590	19.675	55.005	1.00	13.77
ATOM	847	O	GLY	118	-40.761	19.531	56.229	1.00	14.95
ATOM	848	N	GLN	119	-39.874	18.886	54.215	1.00	11.83
ATOM	849	NE2	GLN	119	-42.518	16.522	54.159	1.00	27.14
ATOM	850	OE1	GLN	119	-41.331	14.597	53.939	1.00	29.04
ATOM	851	CD	GLN	119	-41.505	15.779	53.683	1.00	26.05
ATOM	852	CG	GLN	119	-40.511	16.511	52.791	1.00	23.83
ATOM	853	CB	GLN	119	-39.161	16.633	53.499	1.00	15.28
ATOM	854	CA	GLN	119	-39.228	17.649	54.654	1.00	12.25
ATOM	855	C	GLN	119	-37.819	17.866	55.191	1.00	13.13
ATOM	856	O	GLN	119	-37.023	18.655	54.674	1.00	11.96
ATOM	857	N	SER	120	-37.520	17.136	56.272	1.00	12.77
ATOM	858	OG	SER	120	-36.874	16.674	59.024	0.50	13.43
ATOM	859	CB	SER	120	-36.074	17.591	58.330	0.50	15.06
ATOM	862	CA	SER	120	-36.147	17.234	56.873	1.00	11.79
ATOM	863	C	SER	120	-35.513	15.938	56.438	1.00	14.19
ATOM	864	O	SER	120	-36.167	14.855	56.352	1.00	14.17
ATOM	865	N	VAL	121	-34.228	16.035	56.037	1.00	14.53
ATOM	866	CG2	VAL	121	-34.392	15.445	53.235	1.00	20.02
ATOM	867	CG1	VAL	121	-32.537	13.814	53.494	1.00	22.53
ATOM	868	CB	VAL	121	-33.176	15.085	54.041	1.00	19.23
ATOM	869	CA	VAL	121	-33.466	14.920	55.565	1.00	14.60
ATOM	870	C	VAL	121	-32.106	14.892	56.248	1.00	17.85
ATOM	871	O	VAL	121	-31.399	15.890	56.335	1.00	16.78
ATOM	872	N	SER	122	-31.749	13.694	56.677	1.00	18.77
ATOM	873	OG	SER	122	-31.320	13.436	59.447	1.00	35.50
ATOM	874	CB	SER	122	-30.306	12.902	58.611	1.00	26.24
ATOM	875	CA	SER	122	-30.397	13.594	57.262	1.00	20.95
ATOM	876	C	SER	122	-29.504	12.911	56.238	1.00	20.78
ATOM	877	O	SER	122	-29.704	11.746	55.840	1.00	25.20
ATOM	878	N	TYR	123	-28.548	13.651	55.794	1.00	19.04
ATOM	879	CA	TYR	123	-27.479	13.164	54.927	1.00	21.72
ATOM	880	C	TYR	123	-26.478	12.615	55.995	1.00	25.29
ATOM	881	O	TYR	123	-26.521	13.015	57.187	1.00	26.53

Fig. 2  
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Cont. Fig 2

ATOM	882	CB	TYR	123	-26.981	14.342	54.135	1.00	18.93
ATOM	883	CG	TYR	123	-27.915	14.920	53.100	1.00	18.61
ATOM	884	CD1	TYR	123	-27.849	16.273	52.784	1.00	15.70
ATOM	885	CD2	TYR	123	-28.840	14.144	52.381	1.00	21.00
ATOM	886	CE1	TYR	123	-28.658	16.844	51.808	1.00	15.37
ATOM	887	CE2	TYR	123	-29.712	14.700	51.423	1.00	18.34
ATOM	888	CZ	TYR	123	-29.581	16.067	51.133	1.00	16.62
ATOM	889	OH	TYR	123	-30.390	16.593	50.172	1.00	15.25
ATOM	890	N	PRO	124	-25.578	11.721	55.647	1.00	28.48
ATOM	891	CG	PRO	124	-24.105	10.334	54.354	1.00	32.40
ATOM	892	CD	PRO	124	-25.391	11.155	54.297	1.00	30.53
ATOM	893	CB	PRO	124	-23.748	10.168	55.828	1.00	32.32
ATOM	894	CA	PRO	124	-24.583	11.183	56.598	1.00	31.44
ATOM	895	C	PRO	124	-23.732	12.285	57.226	1.00	32.68
ATOM	896	O	PRO	124	-23.355	12.124	58.408	1.00	33.64
ATOM	897	N	GLU	125	-23.417	13.329	56.485	1.00	32.09
ATOM	898	CA	GLU	125	-22.646	14.515	56.843	1.00	32.45
ATOM	899	C	GLU	125	-23.410	15.484	57.766	1.00	33.22
ATOM	900	O	GLU	125	-22.932	15.954	58.861	1.00	33.87
ATOM	901	CB	GLU	125	-22.144	15.220	55.588	1.00	28.10
ATOM	902	CG	GLU	125	-22.899	15.278	54.299	1.00	34.56
ATOM	903	CD	GLU	125	-23.341	14.605	53.384	0.00	53.35
ATOM	904	OE1	GLU	125	-23.517	15.100	52.231	0.00	59.96
ATOM	905	OE2	GLU	125	-23.156	13.352	53.591	0.00	58.46
ATOM	906	N	GLY	126	-24.666	15.793	57.397	1.00	31.75
ATOM	907	CA	GLY	126	-25.549	16.682	58.182	1.00	28.35
ATOM	908	C	GLY	126	-27.017	16.695	57.720	1.00	25.07
ATOM	909	O	GLY	126	-27.393	16.107	56.682	1.00	25.93
ATOM	910	N	THR	127	-27.811	17.417	58.486	1.00	19.30
ATOM	911	CG2	THR	127	-31.485	17.638	59.616	1.00	15.49
ATOM	912	OG1	THR	127	-29.548	16.190	60.199	1.00	22.50
ATOM	913	CB	THR	127	-29.964	17.487	59.664	1.00	14.93
ATOM	914	CA	THR	127	-29.242	17.558	58.256	1.00	13.91
ATOM	915	C	THR	127	-29.689	18.791	57.491	1.00	11.25
ATOM	916	O	THR	127	-29.203	19.885	57.803	1.00	10.59
ATOM	917	N	VAL	128	-30.649	18.626	56.584	1.00	11.18
ATOM	918	CA	VAL	128	-31.201	19.747	55.791	1.00	9.77
ATOM	919	C	VAL	128	-32.688	19.787	56.164	1.00	8.45
ATOM	920	O	VAL	128	-33.182	18.697	56.393	1.00	11.45
ATOM	921	CB	VAL	128	-30.956	19.633	54.298	1.00	7.25
ATOM	922	CG1	VAL	128	-29.466	19.790	54.013	1.00	11.55
ATOM	923	CG2	VAL	128	-31.377	18.285	53.735	1.00	9.36
ATOM	924	N	THR	129	-33.266	20.960	56.248	1.00	9.49
ATOM	925	CG2	THR	129	-34.182	21.202	59.125	1.00	18.71
ATOM	926	OG1	THR	129	-34.282	23.173	57.758	1.00	14.40
ATOM	927	CB	THR	129	-34.884	21.913	57.959	1.00	8.96
ATOM	928	CA	THR	129	-34.680	21.088	56.613	1.00	9.66
ATOM	929	C	THR	129	-35.407	21.804	55.487	1.00	10.11
ATOM	930	O	THR	129	-34.796	22.467	54.615	1.00	10.92
ATOM	931	N	ASN	130	-36.709	21.619	55.563	1.00	10.84
ATOM	932	ND2	ASN	130	-38.570	25.717	53.765	1.00	35.10
ATOM	933	OD1	ASN	130	-39.854	23.969	54.369	1.00	28.19
ATOM	934	CG	ASN	130	-38.739	24.527	54.362	1.00	30.11
ATOM	935	CB	ASN	130	-37.496	23.827	54.952	1.00	17.09

Fig. 2  
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Cont. Fig 2

ATOM	936	CA	ASN	130	-37.620	22.299	54.616	1.00	12.34
ATOM	937	C	ASN	130	-37.388	21.988	53.136	1.00	11.59
ATOM	938	O	ASN	130	-37.557	22.883	52.268	1.00	11.46
ATOM	939	N	MET	131	-37.056	20.742	52.880	1.00	9.76
ATOM	940	CE	MET	131	-33.020	20.248	50.187	1.00	16.57
ATOM	941	SD	MET	131	-33.597	21.082	51.629	1.00	20.94
ATOM	942	CG	MET	131	-34.411	19.573	52.379	1.00	9.59
ATOM	943	CB	MET	131	-35.664	19.199	51.580	1.00	5.73
ATOM	944	CA	MET	131	-36.732	20.297	51.529	1.00	9.93
ATOM	945	C	MET	131	-38.007	19.797	50.840	1.00	9.00
ATOM	946	O	MET	131	-38.962	19.372	51.519	1.00	10.48
ATOM	947	N	THR	132	-37.995	19.869	49.527	1.00	8.82
ATOM	948	CA	THR	132	-39.129	19.393	48.710	1.00	5.72
ATOM	949	C	THR	132	-38.769	18.054	48.108	1.00	7.44
ATOM	950	O	THR	132	-37.719	17.850	47.428	1.00	9.83
ATOM	951	CB	THR	132	-39.497	20.516	47.675	1.00	6.44
ATOM	952	OG1	THR	132	-39.851	21.700	48.434	1.00	9.35
ATOM	953	CG2	THR	132	-40.681	20.100	46.737	1.00	7.59
ATOM	954	N	ARG	133	-39.640	17.061	48.306	1.00	4.85
ATOM	955	NH2	ARG	133	-42.116	12.875	51.526	1.00	39.69
ATOM	956	NH1	ARG	133	-43.846	11.985	50.304	1.00	32.03
ATOM	957	CZ	ARG	133	-42.539	12.272	50.397	1.00	36.90
ATOM	958	NE	ARG	133	-41.666	11.948	49.418	1.00	28.98
ATOM	959	CD	ARG	133	-40.253	12.204	49.398	1.00	20.06
ATOM	960	CG	ARG	133	-39.832	13.218	48.354	1.00	11.77
ATOM	961	CB	ARG	133	-40.079	14.660	48.801	1.00	6.59
ATOM	962	CA	ARG	133	-39.443	15.674	47.833	1.00	6.76
ATOM	963	C	ARG	133	-40.092	15.457	46.455	1.00	7.46
ATOM	964	O	ARG	133	-41.227	15.963	46.241	1.00	9.38
ATOM	965	N	THR	134	-39.360	14.793	45.552	1.00	9.68
ATOM	966	CG2	THR	134	-39.353	17.060	43.521	1.00	7.44
ATOM	967	OG1	THR	134	-38.110	15.030	42.788	1.00	8.17
ATOM	968	CB	THR	134	-39.392	15.603	43.141	1.00	8.74
ATOM	969	CA	THR	134	-39.921	14.565	44.202	1.00	8.24
ATOM	970	C	THR	134	-39.576	13.135	43.785	1.00	8.06
ATOM	971	O	THR	134	-38.694	12.518	44.396	1.00	9.92
ATOM	972	N	THR	135	-40.301	12.622	42.770	1.00	7.24
ATOM	973	CG2	THR	135	-42.463	10.541	42.733	1.00	12.10
ATOM	974	OG1	THR	135	-41.763	11.403	40.497	1.00	11.13
ATOM	975	CB	THR	135	-41.362	10.601	41.650	1.00	10.58
ATOM	976	CA	THR	135	-40.037	11.294	42.228	1.00	8.03
ATOM	977	C	THR	135	-38.974	11.340	41.147	1.00	7.98
ATOM	978	O	THR	135	-38.731	10.327	40.471	1.00	9.10
ATOM	979	N	VAL	136	-38.326	12.452	40.852	1.00	10.38
ATOM	980	CG2	VAL	136	-38.483	14.754	39.130	1.00	6.65
ATOM	981	CG1	VAL	136	-36.094	14.300	38.374	1.00	10.08
ATOM	982	CB	VAL	136	-37.136	14.096	39.495	1.00	9.89
ATOM	983	CA	VAL	136	-37.296	12.595	39.813	1.00	9.10
ATOM	984	C	VAL	136	-35.990	11.927	40.235	1.00	9.23
ATOM	985	O	VAL	136	-35.640	12.113	41.414	1.00	11.00
ATOM	986	N	CYS	137	-35.273	11.188	39.408	1.00	7.90
ATOM	987	CA	CYS	137	-33.997	10.564	39.780	1.00	8.61
ATOM	988	C	CYS	137	-32.841	11.600	39.681	1.00	9.07
ATOM	989	O	CYS	137	-33.024	12.659	39.015	1.00	9.87

Fig. 2  
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Cont. Fig 2

ATOM	990	CB	CYS	137	-33.702	9.452	38.761	1.00	8.35
ATOM	991	SG	CYS	137	-33.425	10.011	37.031	1.00	11.68
ATOM	992	N	ALA	138	-31.687	11.330	40.300	1.00	7.09
ATOM	993	CB	ALA	138	-30.467	13.454	41.104	1.00	8.40
ATOM	994	CA	ALA	138	-30.503	12.207	40.220	1.00	8.25
ATOM	995	C	ALA	138	-29.294	11.352	40.568	1.00	8.58
ATOM	996	O	ALA	138	-29.409	10.287	41.211	1.00	10.28
ATOM	997	N	GLU	139	-28.105	11.803	40.178	1.00	9.17
ATOM	998	OE2	GLU	139	-27.880	7.597	37.175	1.00	10.81
ATOM	999	OE1	GLU	139	-25.864	8.348	37.135	1.00	10.87
ATOM	1000	CD	GLU	139	-26.946	8.270	37.673	1.00	12.62
ATOM	1001	CG	GLU	139	-27.289	9.053	38.912	1.00	10.79
ATOM	1002	CB	GLU	139	-26.414	10.298	39.196	1.00	8.09
ATOM	1003	CA	GLU	139	-26.818	11.099	40.431	1.00	9.02
ATOM	1004	C	GLU	139	-25.776	12.156	40.775	1.00	9.85
ATOM	1005	O	GLU	139	-25.966	13.362	40.507	1.00	9.59
ATOM	1006	N	PRO	140	-24.677	11.769	41.394	1.00	11.00
ATOM	1007	CG	PRO	140	-23.255	10.606	42.890	1.00	10.81
ATOM	1008	CD	PRO	140	-24.305	10.376	41.788	1.00	10.23
ATOM	1009	CB	PRO	140	-22.595	11.921	42.569	1.00	13.07
ATOM	1010	CA	PRO	140	-23.611	12.741	41.794	1.00	10.28
ATOM	1011	C	PRO	140	-23.095	13.561	40.611	1.00	9.93
ATOM	1012	O	PRO	140	-22.846	13.081	39.498	1.00	11.30
ATOM	1013	N	GLY	141	-23.015	14.865	40.884	1.00	7.17
ATOM	1014	CA	GLY	141	-22.596	15.857	39.927	1.00	7.59
ATOM	1015	C	GLY	141	-23.845	16.611	39.448	1.00	6.72
ATOM	1016	O	GLY	141	-23.742	17.715	38.907	1.00	7.49
ATOM	1017	N	ASP	142	-25.050	16.077	39.671	1.00	7.35
ATOM	1018	CA	ASP	142	-26.325	16.710	39.296	1.00	6.21
ATOM	1019	C	ASP	142	-26.663	17.752	40.369	1.00	5.40
ATOM	1020	O	ASP	142	-27.522	18.627	40.062	1.00	3.95
ATOM	1021	CB	ASP	142	-27.497	15.784	39.058	1.00	7.83
ATOM	1022	CG	ASP	142	-27.531	14.867	37.860	1.00	7.53
ATOM	1023	OD1	ASP	142	-28.075	13.736	37.908	1.00	7.92
ATOM	1024	OD2	ASP	142	-27.048	15.355	36.863	1.00	6.85
ATOM	1025	N	SER	143	-26.112	17.668	41.546	1.00	5.60
ATOM	1026	CA	SER	143	-26.422	18.670	42.589	1.00	5.95
ATOM	1027	C	SER	143	-26.287	20.098	42.102	1.00	7.22
ATOM	1028	O	SER	143	-25.328	20.407	41.346	1.00	7.03
ATOM	1029	CB	SER	143	-25.451	18.527	43.777	1.00	7.47
ATOM	1030	OG	SER	143	-25.764	17.255	44.327	1.00	11.26
ATOM	1031	N	GLY	144	-27.206	20.956	42.571	1.00	5.35
ATOM	1032	CA	GLY	144	-27.301	22.370	42.249	1.00	5.48
ATOM	1033	C	GLY	144	-28.051	22.665	40.945	1.00	6.00
ATOM	1034	O	GLY	144	-28.334	23.858	40.698	1.00	7.24
ATOM	1035	N	GLY	145	-28.295	21.671	40.140	1.00	5.00
ATOM	1036	CA	GLY	145	-28.959	21.818	38.828	1.00	5.08
ATOM	1037	C	GLY	145	-30.400	22.272	38.981	1.00	6.80
ATOM	1038	O	GLY	145	-31.096	22.093	40.013	1.00	8.09
ATOM	1039	N	SER	146	-31.016	22.823	37.953	1.00	4.98
ATOM	1040	CA	SER	146	-32.375	23.344	37.961	1.00	4.54
ATOM	1041	C	SER	146	-33.561	22.389	38.160	1.00	5.95
ATOM	1042	O	SER	146	-33.513	21.305	37.566	1.00	6.69
ATOM	1043	CB	SER	146	-32.609	23.870	36.500	1.00	4.69

Fig. 2  
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Cont. Fig 2

ATOM	1044	OG	SER	146	-31.487	24.440	35.945	1.00	7.80
ATOM	1045	N	TYR	147	-34.584	22.813	38.888	1.00	4.96
ATOM	1046	OH	TYR	147	-34.686	16.409	41.718	1.00	15.17
ATOM	1047	CD2	TYR	147	-36.809	19.212	40.614	1.00	8.25
ATOM	1048	CE2	TYR	147	-36.419	17.910	40.955	1.00	10.83
ATOM	1049	CZ	TYR	147	-35.130	17.695	41.413	1.00	13.00
ATOM	1050	CE1	TYR	147	-34.196	18.722	41.524	1.00	8.41
ATOM	1051	CD1	TYR	147	-34.601	20.028	41.200	1.00	7.28
ATOM	1052	CG	TYR	147	-35.885	20.262	40.762	1.00	6.98
ATOM	1053	CB	TYR	147	-36.258	21.677	40.422	1.00	5.48
ATOM	1054	CA	TYR	147	-35.875	22.091	39.028	1.00	5.55
ATOM	1055	C	TYR	147	-36.829	23.167	38.409	1.00	6.41
ATOM	1056	O	TYR	147	-36.859	24.306	38.918	1.00	6.54
ATOM	1057	N	ILE	148	-37.559	22.845	37.365	1.00	5.67
ATOM	1058	CA	ILE	148	-38.454	23.821	36.710	1.00	6.64
ATOM	1059	C	ILE	148	-39.776	23.154	36.317	1.00	6.20
ATOM	1060	O	ILE	148	-39.743	21.993	35.834	1.00	6.60
ATOM	1061	CB	ILE	148	-37.661	24.408	35.475	1.00	8.25
ATOM	1062	CG1	ILE	148	-38.445	25.567	34.843	1.00	10.19
ATOM	1063	CG2	ILE	148	-37.269	23.309	34.443	1.00	11.02
ATOM	1064	CD1	ILE	148	-37.739	26.438	33.738	1.00	11.12
ATOM	1065	N	SER	149	-40.878	23.912	36.472	1.00	6.67
ATOM	1066	OG	SER	149	-42.874	22.350	38.136	1.00	15.36
ATOM	1067	CB	SER	149	-43.209	23.415	37.231	1.00	9.17
ATOM	1068	CA	SER	149	-42.219	23.396	36.098	1.00	7.08
ATOM	1069	C	SER	149	-42.712	24.364	35.000	1.00	7.85
ATOM	1070	O	SER	149	-43.087	25.496	35.341	1.00	8.98
ATOM	1071	N	GLY	150	-42.632	23.897	33.754	1.00	10.00
ATOM	1072	CA	GLY	150	-43.066	24.798	32.663	1.00	11.86
ATOM	1073	C	GLY	150	-41.990	25.883	32.482	1.00	8.97
ATOM	1074	O	GLY	150	-40.850	25.591	32.148	1.00	12.79
ATOM	1075	N	THR	151	-42.463	27.096	32.745	1.00	9.09
ATOM	1076	CG2	THR	151	-42.428	29.087	30.347	1.00	13.40
ATOM	1077	OG1	THR	151	-43.398	29.844	32.497	1.00	13.13
ATOM	1078	CB	THR	151	-42.170	29.426	31.816	1.00	11.88
ATOM	1079	CA	THR	151	-41.527	28.257	32.661	1.00	10.61
ATOM	1080	C	THR	151	-41.196	28.758	34.085	1.00	9.76
ATOM	1081	O	THR	151	-40.553	29.810	34.179	1.00	10.13
ATOM	1082	N	GLN	152	-41.628	28.099	35.157	1.00	6.87
ATOM	1083	CA	GLN	152	-41.440	28.600	36.494	1.00	7.20
ATOM	1084	C	GLN	152	-40.304	27.909	37.266	1.00	8.56
ATOM	1085	O	GLN	152	-40.488	26.681	37.461	1.00	12.38
ATOM	1086	CB	GLN	152	-42.770	28.493	37.286	1.00	6.03
ATOM	1087	CG	GLN	152	-43.935	29.238	36.607	1.00	9.11
ATOM	1088	CD	GLN	152	-43.668	30.705	36.459	1.00	7.44
ATOM	1089	OE1	GLN	152	-43.411	31.422	37.422	1.00	11.18
ATOM	1090	NE2	GLN	152	-43.686	31.229	35.247	1.00	15.32
ATOM	1091	N	ALA	153	-39.288	28.691	37.696	1.00	7.16
ATOM	1092	CA	ALA	153	-38.166	28.065	38.442	1.00	6.99
ATOM	1093	C	ALA	153	-38.696	27.572	39.786	1.00	6.78
ATOM	1094	O	ALA	153	-39.432	28.329	40.450	1.00	8.03
ATOM	1095	CB	ALA	153	-37.062	29.133	38.567	1.00	6.81
ATOM	1096	N	GLN	154	-38.383	26.349	40.198	1.00	4.41
ATOM	1097	CA	GLN	154	-38.827	25.782	41.460	1.00	6.90

Fig. 2  
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Cont. Fig 2

ATOM	1098	C	GLN	154	-37.692	25.687	42.494	1.00	7.22
ATOM	1099	O	GLN	154	-37.931	26.098	43.640	1.00	7.22
ATOM	1100	CB	GLN	154	-39.459	24.374	41.221	1.00	6.12
ATOM	1101	CG	GLN	154	-40.644	24.402	40.211	1.00	6.24
ATOM	1102	CD	GLN	154	-41.732	25.321	40.671	1.00	9.04
ATOM	1103	OE1	GLN	154	-42.271	25.234	41.795	1.00	9.56
ATOM	1104	NE2	GLN	154	-42.164	26.267	39.859	1.00	4.50
ATOM	1105	N	GLY	155	-36.547	25.153	42.078	1.00	7.56
ATOM	1106	CA	GLY	155	-35.475	24.954	43.098	1.00	7.31
ATOM	1107	C	GLY	155	-34.202	24.370	42.501	1.00	7.69
ATOM	1108	O	GLY	155	-34.029	24.335	41.280	1.00	7.17
ATOM	1109	N	VAL	156	-33.252	24.073	43.370	1.00	6.91
ATOM	1110	CA	VAL	156	-31.925	23.515	42.968	1.00	7.24
ATOM	1111	C	VAL	156	-31.760	22.136	43.631	1.00	5.91
ATOM	1112	O	VAL	156	-32.096	21.942	44.815	1.00	6.78
ATOM	1113	CB	VAL	156	-30.786	24.527	43.154	1.00	6.19
ATOM	1114	CG1	VAL	156	-31.048	25.862	42.407	1.00	5.61
ATOM	1115	CG2	VAL	156	-30.409	24.754	44.616	1.00	8.17
ATOM	1116	N	THR	157	-31.186	21.164	42.911	1.00	3.82
ATOM	1117	CG2	THR	157	-30.184	17.395	42.515	1.00	4.16
ATOM	1118	OG1	THR	157	-30.991	19.138	41.073	1.00	8.01
ATOM	1119	CB	THR	157	-30.243	18.893	42.293	1.00	3.37
ATOM	1120	CA	THR	157	-30.971	19.799	43.383	1.00	4.97
ATOM	1121	C	THR	157	-30.083	19.754	44.627	1.00	5.89
ATOM	1122	O	THR	157	-28.979	20.281	44.589	1.00	5.74
ATOM	1123	N	SER	158	-30.588	19.070	45.635	1.00	5.99
ATOM	1124	CA	SER	158	-29.830	18.914	46.876	1.00	7.64
ATOM	1125	C	SER	158	-29.316	17.473	46.969	1.00	10.26
ATOM	1126	O	SER	158	-28.087	17.229	47.132	1.00	10.04
ATOM	1127	CB	SER	158	-30.619	19.304	48.134	1.00	8.30
ATOM	1128	OG	SER	158	-29.853	18.975	49.296	1.00	9.39
ATOM	1129	N	GLY	159	-30.150	16.443	46.900	1.00	9.83
ATOM	1130	CA	GLY	159	-29.635	15.060	47.040	1.00	9.90
ATOM	1131	C	GLY	159	-30.756	14.048	47.006	1.00	12.82
ATOM	1132	O	GLY	159	-31.878	14.478	46.680	1.00	13.31
ATOM	1133	N	GLY	160	-30.510	12.792	47.352	1.00	12.00
ATOM	1134	CA	GLY	160	-31.646	11.846	47.257	1.00	12.56
ATOM	1135	C	GLY	160	-31.091	10.410	47.219	1.00	15.35
ATOM	1136	O	GLY	160	-29.988	10.197	47.741	1.00	15.70
ATOM	1137	N	SER	161	-31.869	9.497	46.679	1.00	13.10
ATOM	1138	OG	SER	161	-33.410	7.381	47.752	1.00	18.73
ATOM	1139	CB	SER	161	-31.996	7.324	47.833	1.00	16.84
ATOM	1140	CA	SER	161	-31.379	8.089	46.671	1.00	14.66
ATOM	1141	C	SER	161	-31.670	7.448	45.325	1.00	13.50
ATOM	1142	O	SER	161	-32.491	8.066	44.640	1.00	13.10
ATOM	1143	N	GLY	162	-31.078	6.310	45.040	1.00	11.84
ATOM	1144	CA	GLY	162	-31.318	5.641	43.734	1.00	12.53
ATOM	1145	C	GLY	162	-30.457	6.331	42.672	1.00	12.12
ATOM	1146	O	GLY	162	-29.545	7.088	42.957	1.00	11.79
ATOM	1147	N	ASN	163	-30.786	6.068	41.407	1.00	10.66
ATOM	1148	CA	ASN	163	-30.058	6.588	40.269	1.00	8.29
ATOM	1149	C	ASN	163	-31.033	6.671	39.088	1.00	11.02
ATOM	1150	O	ASN	163	-32.220	6.293	39.233	1.00	10.33
ATOM	1151	CB	ASN	163	-28.827	5.741	39.950	1.00	10.88

Fig. 2  
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Cont. Fig 2

ATOM	1152	CG	ASN	163	-29.238	4.312	39.578	1.00	14.23
ATOM	1153	OD1	ASN	163	-29.966	3.979	38.660	1.00	11.31
ATOM	1154	ND2	ASN	163	-28.649	3.362	40.334	1.00	18.48
ATOM	1155	N	CYS	164	-30.499	7.132	37.956	1.00	10.86
ATOM	1156	CA	CYS	164	-31.420	7.271	36.806	1.00	11.83
ATOM	1157	C	CYS	164	-31.687	6.006	35.998	1.00	13.69
ATOM	1158	O	CYS	164	-32.428	6.145	34.993	1.00	15.15
ATOM	1159	CB	CYS	164	-31.100	8.500	35.971	1.00	10.31
ATOM	1160	SG	CYS	164	-31.448	10.097	36.795	1.00	9.57
ATOM	1161	N	ARG	165	-31.110	4.919	36.364	1.00	11.68
ATOM	1162	NH2	ARG	165	-26.089	2.173	38.339	1.00	59.15
ATOM	1163	NH1	ARG	165	-25.617	4.096	37.196	1.00	58.35
ATOM	1164	CZ	ARG	165	-26.258	2.909	37.212	1.00	55.39
ATOM	1165	NE	ARG	165	-27.054	2.356	36.310	1.00	47.93
ATOM	1166	CD	ARG	165	-27.631	2.632	35.037	1.00	40.44
ATOM	1167	CG	ARG	165	-28.933	3.381	34.944	1.00	31.56
ATOM	1168	CB	ARG	165	-30.065	2.765	35.785	1.00	18.33
ATOM	1169	CA	ARG	165	-31.324	3.621	35.703	1.00	17.34
ATOM	1170	C	ARG	165	-32.498	2.928	36.433	1.00	14.57
ATOM	1171	O	ARG	165	-33.499	2.588	35.782	1.00	15.39
ATOM	1172	N	THR	166	-32.347	2.784	37.751	1.00	12.62
ATOM	1173	CG2	THR	166	-31.557	0.620	39.350	1.00	18.19
ATOM	1174	OG1	THR	166	-32.296	2.562	40.679	1.00	17.67
ATOM	1175	CB	THR	166	-32.716	1.474	39.795	1.00	16.75
ATOM	1176	CA	THR	166	-33.407	2.140	38.540	1.00	13.18
ATOM	1177	C	THR	166	-34.528	3.049	39.012	1.00	15.18
ATOM	1178	O	THR	166	-35.581	2.528	39.436	1.00	16.50
ATOM	1179	N	GLY	167	-34.296	4.347	39.040	1.00	13.17
ATOM	1180	CA	GLY	167	-35.255	5.345	39.536	1.00	13.42
ATOM	1181	C	GLY	167	-34.815	5.663	40.997	1.00	14.50
ATOM	1182	O	GLY	167	-33.957	4.993	41.596	1.00	13.35
ATOM	1183	N	GLY	168	-35.330	6.773	41.562	1.00	14.99
ATOM	1184	CA	GLY	168	-34.923	7.118	42.940	1.00	12.40
ATOM	1185	C	GLY	168	-35.852	8.241	43.371	1.00	15.29
ATOM	1186	O	GLY	168	-36.909	8.509	42.754	1.00	14.71
ATOM	1187	N	THR	169	-35.422	8.845	44.471	1.00	14.65
ATOM	1188	CG2	THR	169	-37.341	10.701	47.345	1.00	11.85
ATOM	1189	OG1	THR	169	-37.698	8.540	46.281	1.00	16.91
ATOM	1190	CB	THR	169	-36.711	9.582	46.529	1.00	14.83
ATOM	1191	CA	THR	169	-36.177	9.973	45.077	1.00	13.13
ATOM	1192	C	THR	169	-35.165	11.121	45.248	1.00	11.43
ATOM	1193	O	THR	169	-34.007	10.807	45.611	1.00	11.62
ATOM	1194	N	THR	170	-35.621	12.315	44.946	1.00	8.52
ATOM	1195	CG2	THR	170	-33.232	12.956	43.075	1.00	6.44
ATOM	1196	OG1	THR	170	-35.355	14.161	43.068	1.00	19.35
ATOM	1197	CB	THR	170	-34.090	13.942	43.798	1.00	12.63
ATOM	1198	CA	THR	170	-34.667	13.406	45.165	1.00	8.99
ATOM	1199	C	THR	170	-35.363	14.555	45.880	1.00	11.07
ATOM	1200	O	THR	170	-36.582	14.758	45.736	1.00	12.91
ATOM	1201	N	PHE	171	-34.531	15.291	46.609	1.00	9.07
ATOM	1202	CD2	PHE	171	-36.450	15.430	50.154	1.00	12.37
ATOM	1203	CE2	PHE	171	-37.017	14.281	50.750	1.00	12.72
ATOM	1204	CZ	PHE	171	-36.332	13.053	50.718	1.00	14.13
ATOM	1205	CE1	PHE	171	-35.064	12.901	50.136	1.00	11.85

Fig. 2

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Cont. Fig 2

ATOM	1206	CD1	PHE	171	-34.501	14.041	49.547	1.00	12.01
ATOM	1207	CG	PHE	171	-35.187	15.262	49.538	1.00	14.42
ATOM	1208	CB	PHE	171	-34.500	16.430	48.855	1.00	8.65
ATOM	1209	CA	PHE	171	-34.946	16.484	47.353	1.00	10.31
ATOM	1210	C	PHE	171	-34.276	17.746	46.736	1.00	9.69
ATOM	1211	O	PHE	171	-33.096	17.749	46.336	1.00	10.28
ATOM	1212	N	TYR	172	-35.022	18.818	46.721	1.00	6.76
ATOM	1213	OH	TYR	172	-40.405	22.042	43.789	1.00	10.33
ATOM	1214	CD2	TYR	172	-37.368	19.978	44.053	1.00	7.13
ATOM	1215	CE2	TYR	172	-38.680	20.393	43.754	1.00	9.56
ATOM	1216	CZ	TYR	172	-39.128	21.645	44.088	1.00	11.06
ATOM	1217	CE1	TYR	172	-38.255	22.544	44.740	1.00	7.89
ATOM	1218	CD1	TYR	172	-36.943	22.125	44.984	1.00	5.66
ATOM	1219	CG	TYR	172	-36.496	20.849	44.693	1.00	5.21
ATOM	1220	CB	TYR	172	-35.049	20.462	44.892	1.00	6.84
ATOM	1221	CA	TYR	172	-34.465	20.077	46.256	1.00	7.19
ATOM	1222	C	TYR	172	-34.711	21.217	47.245	1.00	6.71
ATOM	1223	O	TYR	172	-35.673	21.172	48.064	1.00	8.96
ATOM	1224	N	GLN	173	-33.781	22.185	47.157	1.00	5.53
ATOM	1225	NE2	GLN	173	-33.746	26.714	50.033	1.00	6.96
ATOM	1226	OE1	GLN	173	-32.289	25.169	50.891	1.00	10.23
ATOM	1227	CD	GLN	173	-32.795	25.753	49.933	1.00	9.42
ATOM	1228	CG	GLN	173	-32.411	25.493	48.482	1.00	3.75
ATOM	1229	CB	GLN	173	-32.463	24.037	48.054	1.00	8.35
ATOM	1230	CA	GLN	173	-33.883	23.428	47.962	1.00	5.17
ATOM	1231	C	GLN	173	-34.741	24.402	47.187	1.00	6.61
ATOM	1232	O	GLN	173	-34.469	24.693	45.967	1.00	7.86
ATOM	1233	N	GLU	174	-35.814	24.921	47.782	1.00	6.75
ATOM	1234	OE2	GLU	174	-40.122	25.837	46.396	1.00	8.25
ATOM	1235	OE1	GLU	174	-40.521	23.919	47.243	1.00	10.88
ATOM	1236	CD	GLU	174	-39.899	24.969	47.265	1.00	10.25
ATOM	1237	CG	GLU	174	-38.863	25.164	48.362	1.00	8.85
ATOM	1238	CB	GLU	174	-37.861	26.313	48.083	1.00	9.36
ATOM	1239	CA	GLU	174	-36.686	25.892	47.108	1.00	7.86
ATOM	1240	C	GLU	174	-35.933	27.178	46.774	1.00	8.69
ATOM	1241	O	GLU	174	-35.082	27.712	47.515	1.00	9.98
ATOM	1242	N	VAL	175	-36.198	27.769	45.591	1.00	8.61
ATOM	1243	CG2	VAL	175	-34.568	29.950	43.032	1.00	11.90
ATOM	1244	CG1	VAL	175	-36.989	29.512	42.968	1.00	13.78
ATOM	1245	CB	VAL	175	-35.652	29.062	43.589	1.00	13.52
ATOM	1246	CA	VAL	175	-35.605	29.022	45.144	1.00	8.03
ATOM	1247	C	VAL	175	-36.196	30.221	45.869	1.00	8.45
ATOM	1248	O	VAL	175	-35.453	31.199	46.161	1.00	8.96
ATOM	1249	N	THR	176	-37.454	30.220	46.297	1.00	9.06
ATOM	1250	CG2	THR	176	-40.371	32.282	47.869	1.00	18.26
ATOM	1251	OG1	THR	176	-40.343	30.692	46.091	1.00	18.82
ATOM	1252	CB	THR	176	-39.648	31.030	47.350	1.00	15.35
ATOM	1253	CA	THR	176	-38.133	31.355	46.965	1.00	10.08
ATOM	1254	C	THR	176	-37.370	32.053	48.082	1.00	12.75
ATOM	1255	O	THR	176	-37.203	33.295	48.105	1.00	12.78
ATOM	1256	N	PRO	177	-36.827	31.275	49.019	1.00	13.60
ATOM	1257	CA	PRO	177	-36.059	31.831	50.137	1.00	14.56
ATOM	1258	C	PRO	177	-34.832	32.550	49.634	1.00	14.53
ATOM	1259	O	PRO	177	-34.405	33.537	50.205	1.00	14.33

Fig. 2

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Cont. Fig 2

ATOM	1260	CB	PRO	177	-35.684	30.599	50.967	1.00	15.59
ATOM	1261	CG	PRO	177	-36.607	29.488	50.587	1.00	15.55
ATOM	1262	CD	PRO	177	-37.028	29.818	49.155	1.00	14.17
ATOM	1263	N	MET	178	-34.177	32.085	48.557	1.00	11.26
ATOM	1264	CE	MET	178	-31.755	28.533	46.007	1.00	19.72
ATOM	1265	SD	MET	178	-30.708	29.927	46.237	1.00	22.73
ATOM	1266	CG	MET	178	-31.639	30.737	47.651	1.00	17.28
ATOM	1267	CB	MET	178	-32.343	31.919	46.980	1.00	9.92
ATOM	1268	CA	MET	178	-32.991	32.789	48.077	1.00	11.19
ATOM	1269	C	MET	178	-33.372	34.163	47.572	1.00	14.99
ATOM	1270	O	MET	178	-32.631	35.161	47.724	1.00	16.24
ATOM	1271	N	VAL	179	-34.492	34.273	46.870	1.00	12.66
ATOM	1272	CG2	VAL	179	-35.871	34.516	44.214	1.00	11.56
ATOM	1273	CG1	VAL	179	-36.995	36.540	45.154	1.00	16.31
ATOM	1274	CB	VAL	179	-36.242	35.254	45.495	1.00	14.06
ATOM	1275	CA	VAL	179	-34.973	35.549	46.347	1.00	14.10
ATOM	1276	C	VAL	179	-35.411	36.462	47.516	1.00	17.87
ATOM	1277	O	VAL	179	-35.152	37.674	47.535	1.00	18.01
ATOM	1278	N	ASN	180	-36.139	35.872	48.451	1.00	17.87
ATOM	1279	ND2	ASN	180	-39.996	35.004	49.792	1.00	34.66
ATOM	1280	OD1	ASN	180	-39.173	36.590	48.442	1.00	26.20
ATOM	1281	CG	ASN	180	-39.030	35.860	49.435	1.00	27.22
ATOM	1282	CB	ASN	180	-37.798	35.850	50.334	1.00	22.46
ATOM	1283	CA	ASN	180	-36.683	36.628	49.576	1.00	21.81
ATOM	1284	C	ASN	180	-35.663	37.122	50.588	1.00	22.21
ATOM	1285	O	ASN	180	-35.786	38.276	51.007	1.00	25.30
ATOM	1286	N	SER	181	-34.775	36.258	50.952	1.00	20.13
ATOM	1287	OG	SER	181	-34.362	34.891	53.477	1.00	46.23
ATOM	1288	CB	SER	181	-33.268	35.230	52.620	1.00	29.26
ATOM	1289	CA	SER	181	-33.740	36.530	51.921	1.00	20.62
ATOM	1290	C	SER	181	-32.474	37.109	51.355	1.00	20.10
ATOM	1291	O	SER	181	-31.914	37.915	52.104	1.00	20.08
ATOM	1292	N	TRP	182	-32.042	36.665	50.186	1.00	17.06
ATOM	1293	CD2	TRP	182	-28.744	33.771	49.582	1.00	20.91
ATOM	1294	CE3	TRP	182	-28.470	33.240	48.331	1.00	15.11
ATOM	1295	CZ3	TRP	182	-27.853	31.999	48.269	1.00	15.36
ATOM	1296	CH2	TRP	182	-27.529	31.313	49.436	1.00	15.65
ATOM	1297	CZ2	TRP	182	-27.769	31.806	50.713	1.00	19.64
ATOM	1298	CE2	TRP	182	-28.381	33.057	50.742	1.00	24.59
ATOM	1299	NE1	TRP	182	-28.738	33.820	51.828	1.00	27.77
ATOM	1300	CD1	TRP	182	-29.323	34.986	51.373	1.00	29.42
ATOM	1301	CG	TRP	182	-29.377	35.009	50.004	1.00	22.91
ATOM	1302	CB	TRP	182	-29.884	36.098	49.127	1.00	20.07
ATOM	1303	CA	TRP	182	-30.771	37.210	49.681	1.00	14.46
ATOM	1304	C	TRP	182	-30.992	38.306	48.680	1.00	14.45
ATOM	1305	O	TRP	182	-30.007	38.974	48.321	1.00	16.23
ATOM	1306	N	GLY	183	-32.203	38.445	48.182	1.00	13.61
ATOM	1307	CA	GLY	183	-32.431	39.519	47.179	1.00	13.59
ATOM	1308	C	GLY	183	-31.864	39.105	45.800	1.00	12.98
ATOM	1309	O	GLY	183	-31.478	40.015	45.005	1.00	11.51
ATOM	1310	N	VAL	184	-31.805	37.788	45.559	1.00	12.12
ATOM	1311	CG2	VAL	184	-31.741	34.892	44.375	1.00	20.41
ATOM	1312	CG1	VAL	184	-29.458	35.739	44.931	1.00	20.83
ATOM	1313	CB	VAL	184	-30.729	35.966	44.088	1.00	14.52

Fig. 2  
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Cont. Fig 2

ATOM	1314	CA	VAL	184	-31.288	37.397	44.216	1.00	13.35
ATOM	1315	C	VAL	184	-32.431	37.647	43.201	1.00	13.39
ATOM	1316	O	VAL	184	-33.619	37.490	43.538	1.00	13.79
ATOM	1317	N	ARG	185	-32.041	37.991	41.974	1.00	11.85
ATOM	1318	NH2	ARG	185	-31.382	44.754	43.270	1.00	30.49
ATOM	1319	NH1	ARG	185	-30.633	44.370	41.110	1.00	29.76
ATOM	1320	CZ	ARG	185	-31.320	43.982	42.177	1.00	30.81
ATOM	1321	NE	ARG	185	-31.986	42.816	42.217	1.00	27.27
ATOM	1322	CD	ARG	185	-31.978	41.937	41.036	1.00	23.48
ATOM	1323	CG	ARG	185	-32.959	40.840	41.410	1.00	19.17
ATOM	1324	CB	ARG	185	-32.789	39.732	40.349	1.00	14.23
ATOM	1325	CA	ARG	185	-32.980	38.274	40.869	1.00	11.15
ATOM	1326	C	ARG	185	-32.746	37.319	39.703	1.00	8.87
ATOM	1327	O	ARG	185	-31.721	37.472	39.065	1.00	8.01
ATOM	1328	N	LEU	186	-33.644	36.370	39.444	1.00	9.17
ATOM	1329	CA	LEU	186	-33.463	35.447	38.328	1.00	9.78
ATOM	1330	C	LEU	186	-33.503	36.225	36.995	1.00	10.75
ATOM	1331	O	LEU	186	-34.316	37.132	36.787	1.00	10.04
ATOM	1332	CB	LEU	186	-34.648	34.435	38.305	1.00	8.11
ATOM	1333	CG	LEU	186	-34.760	33.549	39.546	1.00	16.49
ATOM	1334	CD1	LEU	186	-35.699	32.375	39.276	1.00	14.66
ATOM	1335	CD2	LEU	186	-33.400	32.928	39.887	1.00	16.56
ATOM	1336	N	ARG	187	-32.652	35.750	36.102	1.00	7.79
ATOM	1337	NH2	ARG	187	-30.740	39.908	29.630	1.00	46.94
ATOM	1338	NH1	ARG	187	-29.232	39.169	31.188	1.00	49.29
ATOM	1339	CZ	ARG	187	-30.477	39.174	30.718	1.00	44.29
ATOM	1340	NE	ARG	187	-31.443	38.474	31.338	1.00	36.97
ATOM	1341	CD	ARG	187	-31.199	37.750	32.536	1.00	28.81
ATOM	1342	CG	ARG	187	-31.219	36.300	32.604	1.00	27.43
ATOM	1343	CB	ARG	187	-31.340	35.889	34.068	1.00	12.14
ATOM	1344	CA	ARG	187	-32.653	36.298	34.718	1.00	9.41
ATOM	1345	C	ARG	187	-33.901	35.672	34.023	1.00	10.55
ATOM	1346	O	ARG	187	-34.139	34.427	33.990	1.00	10.23
ATOM	1347	N	THR	188	-34.769	36.530	33.478	1.00	9.32
ATOM	1348	CA	THR	188	-35.996	36.175	32.723	1.00	10.52
ATOM	1349	C	THR	188	-35.889	36.694	31.263	1.00	11.51
ATOM	1350	O	THR	188	-34.786	37.058	30.810	1.00	10.45
ATOM	1351	CB	THR	188	-37.361	36.593	33.422	1.00	7.88
ATOM	1352	OG1	THR	188	-37.427	38.057	33.443	1.00	7.10
ATOM	1353	CG2	THR	188	-37.581	36.118	34.850	1.00	8.10
ATOM	1354	OXT	THR	188	-36.851	36.451	30.513	1.00	13.52

Fig. 2  
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